UNIVERSITY OF WYOMING

Cooperative Research Report

to the Bureau of Land Management

1969 Results

Arid Land Ecology Research

EXCLOSURE STUDIES WITH TRANSECTS OF PERMANENT PLOTS

Submitted by Wyoming Agricultural
Experiment Station

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EXCLOSURE STUDY WITH TRANSECTS OF PERMANENT PLOTS - 1969 DATA[1]

By Herbert G. Fisser[2]

Introduction

The study of vegetation changes on sites with fenced exclosures by use of transects of permanent plots was initiated in 1965 as a Wyoming Agricultural Experiment Station Cooperative Program with the Bureau of Land Management (BLM). The study site exclosures were provided by the BLM and are located in the Worland and Casper districts. A general description of the work program and listing of the study areas is incorporated in the Cooperative Research Program agreement entitled "Arid Land Ecology".

Procedures

A complete description of procedures was provided in the 1967 report (Fisser, Herbert G. 1967. Wyoming Agricultural Experiment Station, Scientific Report No. 69). During the 1969 summer season all of the plots which had been established in previous years were re-read. The list of exclosures and types of transects found at each site are presented in Table 1.

The summarized data are presented in alphabetical order by exclosure name in the Appendix of this report. Plant species are listed by four-letter code symbols; the first two letters are taken from the generic name and the third and fourth letters from the specific epithet.

1/Published with approval of the Director of the Agricultural Experiment Station as Scientific Report No. 275.

2/Professor of Range Management, Plant Science Division, University of Wyoming.

EXCLOSURE STUDY WITH TRANSECTS IN PERMANENT PLOTS - 1959 DATA[1]

By Herbert G. Fisser[2]

Introduction

The study of vegetation changes on sites with fenced exclosures by use of transects of permanent plots was initiated in 1955 as a Wyoming Agricultural Experiment Station Cooperative Program with the Bureau of Land Management (BLM). The study site exclosures were provided by the BLM and are located in the Moriand and Casper districts. A general description of the work program and listing of the study areas is incorporated in the Cooperative Research Program document entitled "Arid Land Ecology".

Procedures

A complete description of procedures was provided in the 1957 report (Fisser, Herbert G. 1957. Wyoming Agricultural Experiment Station, Scientific Report No. 69). During the 1959 summer season all of the plots which had been established in previous years were revisited. The list of exclosures and types of transects found on each site are presented in Table 1.

The summarized data are presented in alphabetical order by exclosure name in the appendix of this report. Plant species are listed by four-letter code symbols; the first two letters are taken from the generic name and the third and fourth letters from the specific epithet.

1/Published with approval of the Director as the Agricultural Experiment Station Scientific Report No. 115.

2/Professor of Range Management, Plant Science Division, University of Wyoming.

In case of duplication, numbered digits are used immediately after the code letters. A list of all plants encountered in the permanent plot transect work program with common and scientific names, life form and longevity characteristics are found in Table 2.

No attempt has been made to analyze vegetation conditions or changes because of the treatments. Insufficient time has passed for significant responses on most of the exclosures.

The primary use of exclosures is that related to the evaluation of vegetation response to grazing influence by livestock and game and in measuring changes associated with improvement practices such as shrub control, pitting, contouring and seeding.

Vegetation changes with time at these exclosures reflect response to short-term weather variations and intensity of animal use pressure.

It is often incorrectly assumed that an exclosure is of no value unless inside and outside differences exist, with a concomitant implication that grazing, whether on herbaceous or woody species, results in drastic change to the vigor, composition and productivity of the native species. True, intensive use results in range condition deterioration, but under moderate use impact, very little, if any damage occurs. Thus exclosures can be utilized as indicators of moderate non-damaging use as well as overuse.

In opposition to the above concept, the commonly slow response of vegetation, especially in the arid regions of Wyoming, to grazing pressure changes and improvement practices often requires several years (5-?) for the manifestation of a change to be readily visible to the observer. For this reason, permanent plot transects were installed, from which are obtained cover, composition and frequency data that

In case of duplication, numbered digits are used immediately after the code letters. A list of all places encountered in the measurement of transect work process with common and scientific names, illustrated and longevity characteristics are found in Table 2.

No attempt has been made to analyze vegetation conditions or changes because of the transects. Insufficient time has passed for significant responses on part of the exclosures.

The primary use of exclosures is that related to the evaluation of vegetative response to grazing influence by livestock and game and in connecting changes associated with improvement practices such as brush control, pitting, contouring and seeding.

Vegetation changes with time of these exclosures reflect response to short-term weather variations and intensity of animal use pressure.

It is often incorrectly assumed that an exclosure is of no value unless inside and outside differences exist, with a concomitant implication that grazing, whether on herbaceous or woody species, results in drastic change to the stand, composition and productivity of the native species. Thus, interpretive use results in very confusing interpretation, but under moderate use impact, very little, if any change occurs. Thus exclosures can be utilized as indicators of moderate non-grazing use as well as overuse.

In operations in the above counties, the commonly also responses of vegetation, especially in the early stages of growth, to grazing pressure changes and improvement practices often requires several years (3-5) for the manifestation of a change to be readily evident to the observer. For this reason, permanent plot transects were installed, from which are sketched cover, composition and frequency data that

aid in early determination of vegetation changes. In addition, by use of the permanent plots a major source of random sampling error is removed, allowing for greater precision of estimate for evaluation of any vegetational changes.

and in early interpretation of vegetation changes. In addition, by use of the permanent plots a major source of random sampling error is removed, allowing for greater precision of estimate for evaluation of any vegetational changes.

Table 1. List of exclosures with transect description and plot of establishment of permanent plot transects. (20 - 1' x 1' plots per transect).

Code No.	Exclosure Name	County	Transect Description and Establishment Year
0101	Arminto	Natrona	Inside native, Inside furrowed, Outside furrowed - 1965
1511	Big Bend	Hot Springs	Inside, Outside - 1966
0916	Big Flat	Big Horn	Inside, Outside - 1965
2011	Big Trails	Washakie	Inside "A", Outside "A" (est. '65); Inside "B", Outside "B" (est. '66)
1102	Big Sage	Park	Inside spray, Outside spray, Inside nonspray, Outside nonspray - 1968
1103	Big Sky	Park	Inside spray, Outside spray, Inside nonspray, Outside nonspray - 1968
0918	Black Mt.	Big Horn	Inside, Outside - 1967
1101	Buffalo Basin	Park	Inside grass, Outside grass, Inside ARTR, Outside ARTR - 1966
2012	Dead Indian	Washakie	Inside furrowed, Outside furrowed - 1965
0102	Donlin	Natrona	Inside, Outside - 1965
2013	East Ridge	Washakie	ARTR Inside, ARTR Outside, ATNO Inside, ATNO Outside - 1965
2014	Emgee	Washakie	Inside spray, Outside spray, Inside nonspray Outside nonspray - 1965
1512	Grass Creek Divide	Hot Springs	All transects established in 1966 Type A - Meadow Grass - Inside, Outside Type B - Wet Erosion Site - Inside, Outside Type C - Sagebrush Grass - Inside spray, Outside spray (sprayed in 1962). Inside nonspray, Outside nonspray. Type D - Rocky Forb Grass - Inside, Outside Type E - Meadow Sedge Grass - Inside, Outside
0917	Horse Haven	Big Horn	Inside native, Outside native, Inside spreader, Outside spreader - 1965
0919	Kane Seed	Big Horn	Inside, Outside - 1967
1513	Lower Enos Creek	Hot Springs	Inside spray, Outside spray - 1967
0103	Mud Springs	Natrona	Inside furrowed, Outside furrowed, Inside native, Outside native - 1965

Table 1. (cont.)

0104	Owl Draw	Natrona	All transects established in 1965 Transect #1 - Inside Deer Exc., ARNO type, East Exposure Transect #2 - Outside Deer Exc., ARNO type, East Exposure Transect #3 - Inside Deer Exc., JUOS-ARNO type, NE Exposure Transect #4 - Outside Deer Exc., JUOS-ARNO type, NE Exposure Transect #5 - Inside Deer Exc., ARTR type, North Exposure Transect #6 - Inside Deer Exc., ARNO type, North Exposure Transect #7 - Outside Stock Exc., ARNO-JUOS type, North Exposure Transect #8 - Inside Stock Exc., ARNO type, North Exposure Transect #9 - Inside Stock Exc., ARNO-JUOS type, NW Exposure Transect #10 - Outside Stock Exc., ARTR type, NW Exposure
0105	Poison Spider	Natrona	Inside, Outside - 1965
1507	Rankin Basin	Hot Springs	Inside, Outside - 1965
2015	South Butte	Washakie	Inside spray, Outside spray - 1966
0106	Stinking Creek	Natrona	Inside spray, Inside nonspray, Outside nonspray - 1965
1508	Upper Enos Creek	Hot Springs	Inside spray, Outside spray - 1965
1509	Upper Grass Creek	Hot Springs	Inside spray, Outside spray - 1965
1510	Upper Left Hand Creek	Hot Springs	Inside, Outside - 1965
2016	Worland Cattle Co.	Washakie	Inside, Outside - 1966

Table 2.

LIST OF PLANTS OCCURRING ON 1' x 1' PLOT TRANSECTS

Code	Genus - Species	Common Name	Life Form	Longevity
ACLA	Achillea lanulosa	Yarrow	Forb	Perennial
AGCR	Agropyron cristatum	Crested wheatgrass	Grass	Perennial
AGEX	Agrostis exarata	Spike redtop	Grass	Perennial
AGGL	Agoseris glauca	Pale agoseris	Forb	Perennial
AGO	Agoseris spp.	Agoseris	Forb	Perennial
AGR	Agropyron spp.	Wheatgrass	Grass	Perennial
AGSM	Agropyron smithii	Western wheatgrass	Grass	Perennial
Ag.Spp	Agropyron Spp.	Wheatgrasses	Grass	Perennial
AGSP	Agropyron spicatum	Bluebunch wheatgrass	Grass	Perennial
ALTE	Allium textile	Textile onion	Forb	Perennial
ANDI	Antennaria dimorpha	Low pussytoe	Forb	Perennial
ANOC	Androsace occidentalis	Fairy candelabra	Forb	Annual
ARA	Arabis spp.	Rockcress	Forb	Perennial
ANRO	Antennaria rosea	Rose pussytoes	Forb	Perennial
ANT	Antennaria spp.	Pussytoe	Forb	Perennial
ARCO	Arenaria congesta	Ballhead sandwort	Forb	Perennial
ARCO2	Arnica cordifolia	Heartleaf arnica	Forb	Perennial
ARFE	Aristida fendleriana	Fendler three-awn	Grass	Perennial
ARFR	Artemisia frigida	Fringed sagewort	Half-shrub	Perennial
ARFU	Arnica fulgens	Arnica	Forb	Perennial
ARHI	Arabis hirsuta	Hairy rockcress	Forb	Biennial or Perennial
ARHO	Arenaria hookeri	Hooker sandwort	Forb	Perennial
ARHO2	Arabis holboellii	Holboell rockcress	Forb	Perennial
ARLO	Aristida longiseta	Red three-awn	Grass	Perennial
ARN	Arnica spp.	Mountain dandelion	Forb	Perennial
ARNO	Artemisia nova	Black sagebrush	Shrub	Perennial
ARPE	Artemisia pedatifida	Brown sagebrush	Half-shrub	Perennial
ARTR	Artemisia tridentata	Big sagebrush	Shrub	Perennial
ARTR2	Artemisia tripartita	Threetip sagebrush	Shrub	Perennial
ASCI	Astragalus cibarius	Silky milkvetch	Forb	Perennial
ASDR	Astragalus drummondii	Drummond milkvetch	Forb	Perennial
ASGR	Astragalus grayi	Gray's milkvetch	Forb	Perennial
ASMI	Astragalus missouriensis	Missouri milkvetch	Forb	Perennial
ASMI2	Astragalus miser	Timber milkvetch	Forb	Perennial
ASPU	Astragalus purshii	Pursh loco	Forb	Perennial
ASSP	Astragalus spatulatus	Tufted milkvetch	Forb	Perennial
AST	Astragalus spp.	Milkvetch	Forb	Perennial
AST2	Aster spp.	Aster	Forb	Perennial
ATAR	Atriplex argentea	Silverscale saltbush	Forb	Annual
ATCO	Atriplex confertifolia	Shadscale saltbush	Shrub	Perennial
ATNU	Atriplex nuttallii	Nuttall saltbush	Half-shrub	Perennial
BASA	Balsamorhiza sagittata	Arrowleaf balsamroot	Forb	Perennial
BEWY	Besseya wyomingensis	Wyoming kittentails	Forb	Perennial
BOGR	Bouteloua gracilis	Blue grama	Grass	Perennial
BRCO	Bromus commutatus	Hairy chess	Grass	Annual
BRTE	Bromus tectorum	Cheatgrass	Grass	Annual
CAAN	Castilleja angustifolia	Narrowleaf indian paint-brush	Forb	Perennial
CAEL	Carex eleocharis	Needleleaf sedge	Sedge	Perennial
CAFI	Carex filifolia	Threadleaf sedge	Sedge	Perennial

Table 2. (Cont.)

Code	Genus--Species	Common Name	Life Form	Longevity
CAL	Calochortus spp.	Mariposa lily	Forb	Perennial
CAMI	Camelina microcarpa	Littlepod falseflax	Forb	Annual
CANU	Calochortus nuttallii	Sego lily	Forb	Perennial
CAR	Carex spp.	Sedge	Sedge	Perennial
CAS	Castilleja spp.	Indianpaintbrush	Forb	Perennial
CEAR	Cerastium arvense	Field chickweed	Forb	Perennial
CHAL	Chenopodium album	Lambsquarter	Forb	Annual
CHNA	Chrysothamnus nauseosus	Rubber rabitbrush	Shrub	Perennial
CHVI	Chrysothamnus viscidiflorus	Green rabbitbrush	Shrub	Perennial
CHVI2	Chrysopis villosa	Hairy goldenaster	Forb	Perennial
CIAR	Cirsium arvense	Canada thistle	Forb	Perennial
CIR	Cirsium spp.	Thistle	Forb	Perennial
COPA	Commandra pallida	False toadflax	Forb	Perennial
CRAC	Crepis acuminata	Tapertip hawksbeard	Forb	Perennial
CRE	Crepis spp.	Hawksbeard	Forb	
CRFL	Cryptantha flavoculata	Cryptantha	Forb	Perennial
CYMO	Cymopterus montanus	False carrot	Forb	Perennial
DAUN	Danthonia unispicata	Onespike oatgrass	Grass	Perennial
DEGE	Delphinium geyeri	Plains larkspur	Forb	Perennial
DEPI	Descurainia pinnata	Pinnate tansymustard	Forb	Annual
DES	Descurainia spp.	Tansymustard	Forb	
DOD	Dodecatheon spp.	Shooting star	Forb	Perennial
ELJU	Elymus junceus	Russion wildrye	Grass	Perennial
ERCO	Erigeron compositus	Fernleaf fleabane	Forb	Perennial
ERPU	Erigeron pumilus	Fleabane	Forb	Perennial
EULA	Eurotia lanata	Winterfat	Half-shrub	Perennial
EUSE	Euphorbia serphyllifolia	Thyme-leaved spurge	Forb	Annual
FEID	Festuca idahoensis	Idaho fescue	Grass	Perennial
FEOC	Festuca octoflora	Sixweek fescue	Grass	Annual
GACO	Gaura coccinea	Scarlet gaura	Forb	Perennial
GIL	Gilia spp.	Gilia	Forb	Annual
GIPU	Gilia pumila	Gilia	Forb	Annual
GRSQ	Grindelia squarrosa	Curlcup gumweed	Forb	Biennial
GUSA	Gutierrezia sarothrae	Broom snakeweed	Half-shrub	Perennial
HAAC	Haplopappus acaulis	Stemless goldenweed	Forb	Perennial
HAGL	Halogeton glomeratus	Halogeton	Forb	Annual
HEPE	Helianthus petiolaris	Prairie sunflower	Forb	Annual
HEKI	Hesperochloa kingii	King fescue	Grass	Perennial
HOJU	Hordeum jubatum	Foxtail barley	Grass	Annual
HYAC	Hymenoxys acaulis	Stemless hymenoxys	Forb	Perennial
IRMI	Iris missourinsis	Rocky Mountain iris	Forb	Perennial
JUOS	Juniperus osteosperma	Utah juniper	Tree	Perennial
JUSC	Juniperus scopulorum	Rocky Mountain red cedar	Shrub	Perennial
KOCR	Koeleria cristata	June grass	Grass	Perennial
LAIN	Lactuca integrata	Lettuce	Forb	Perennial
LARE	Lappula redowskii	Stickseed	Forb	Annual
LEAL	Lesquerella alpina	Alkaline bladderpod	Forb	Perennial
LEAR	Lesquerella arenosa	Bladderpod	Forb	Perennial
LEDE	Lepidium densiflorum	Prairie pepperweed	Forb	Annual
LELU	Lesquerella ludoviciana	Foothill bladderpod	Forb	Perennial
LES	Lesquerella spp.	Bladderpod	Forb	Perennial
LILE	Linum lewisii	Blue Flax	Forb	Perennial
LIN	Linum spp.	Flax	Forb	Perennial
LIPA	Lithophragma parviflora	Small flower woodland star	Forb	Perennial

Table 2. (Cont.)

Code	Genus - Species	Common Name	Life Form	Longevity
LOOR	Lomatium orientale	Eastern lomatium	Forb	Perennial
LUP	Lupinus spp.	Lupine	Forb	Annual
LYDR	Lychnis drummondii	Drummond cockle	Forb	Perennial
MACA	Machaeranthera canescens	Hoary aster	Forb	Perennial
MAGL	Machaeranthera glabriuscula	Woody aster	Half-shrub	Perennial
MAGR	Machaeranthera grindeloides	Woody aster	Forb	Perennial
MATA	Machaeranthera tanacetifolia	Aster	Forb	Annual
MAVI	Mamillaria vivipara	Pink pincushion cactus	Forb	Perennial
MER	Mertensia spp.	Bluebells	Forb	Perennial
MONU	Monolepis nuttalliana	Nuttall monolepis	Forb	Annual
MUDI	Musineon divaricatum	Falsecarrot	Forb	Perennial
OECO	Oenothera contorta	Plains eveningprimrose	Forb	Annual
OPPO	Opuntia polyacantha	Plains pricklypear	Forb	Perennial
ORHY	Oryzopsis hymenoides	Indian ricegrass	Grass	Perennial
OXSE	Oxytropis sericea	White pointloco	Forb	Perennial
OXY	Oxytropis spp.	Pointloco	Forb	Perennial
PEER	Penstemon eriantherus	Fuzzytongue penstemon	Forb	Perennial
PEN	Penstemon spp.	Penstemon	Forb	Perennial
PHA	Phacelia spp.	Phacelia	Forb	Perennial
PHAU	Physaria australis	Twinpod	Forb	Perennial
PHHO	Phlox hoodii	Hood's phlox	Forb	Perennial
PHMU	Phlox multiflora	Flowery phlox	Forb	Perennial
PIFL	Pinus flexilis	Limber pine	Tree	Perennial
PLPA	Plantago patagonica	Wooly indianwheat	Forb	Annual
PLSP	Plantago spinescens	Spiny indianwheat	Forb	Annual
POA	Poa spp.	Bluegrass	Grass	Perennial
POCA	Poa canbyi	Canby bluegrass	Grass	Perennial
POGR	Potentilla gracilis	Northwest cinquefoil	Forb	Perennial
POL	Polygonum spp.	Knotweed, Smartweed	Forb	Perennial
POSE	Poa secunda	Sandberg bluegrass	Grass	Perennial
POT	Potentella spp.	Cinquefoil	Shrub	Perennial
PUTR	Purshia tridentata	Antelope bitterbrush	Shrub	Perennial
RUM	Rumex spp.	Dock, Sorrel	Forb	Perennial
SAKA	Salsola kali	Russian thistle	Forb	Annual
SCPA	Schedonnardus paniculatus	Tumblegrass	Grass	Perennial
SEN	Senecio spp.	Groundsel	Forb	
SEST	Sedum stenopetalum	Stonecrop	Forb	Perennial
SIAL	Sisymbrium altissimum	Tumblemustard	Forb	Annual
SIHY	Sitanion hystrix	Squirreltail bottlebrush	Grass	Perennial
SPCO	Sphaeralcea coccinea	Scarlet globemallow	Forb	Perennial
SPCR	Sporobolus cryptandrus	Sand dropseed	Grass	Perennial
STCO	Stipa comata	Needleandthread	Grass	Perennial
STCO2	Stipa columbiana	Columbia needlegrass	Grass	Perennial
STI	Stipa spp.	Needlegrass	Grass	Perennial
STTE	Stephanomeria tenuifolia	Narrowleaf wirelettuce	Forb	Perennial
STVI	Stipa viridula	Green needlegrass	Grass	Perennial
TAOF	Taraxacum officinale	Common dandelion	Forb	Perennial
TRI	Trifolium spp.	Clover	Forb	
TRA	Tragopogon spp.	Salsify	Forb	
TRDU	Tragopogon dubius	Salsify	Forb	Biennial
UMB	Umbelliferae fam.	Carrot fam.		
UNK	Unknown			
VER	Veronica spp.	Speedwell	Forb	Annual

Table 2. (Cont.)

Code	Genus - Species	Common Name	Life Form	Longevity
VIAM	Vicia americana	American vetch	Forb	Perennial
VIO	Violaceae	Violet family	Forb	Perennial
VIVA	Viola vallicola	Nuttall violet	Forb	Perennial
ZYG	Zygadenus spp.	Death camas	Forb	Perennial
ZYVE	Zygadenus venenosus	Death camas	Forb	Perennial

ARMINTO EXCLOSURE
Code No. 0101
Natrona

In-Furrowed

7 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARPE	3.00	.15			05
ARTR	100.50	5.02			50
EULA	3.00	.15			05
Shrub Total	106.50	5.32			
KOCR	.50	.02	.30	.56	05
AGCR	29.60	1.48	21.45	41.34	70
AGSM	7.50	.37	5.36	10.33	60
POSE	25.50	1.22	17.68	34.08	50
STCO	7.00	.35	5.07	9.78	20
CAEL	2.90	.14	2.03	3.91	45
Grass Total	73.00	3.58	51.89	100.00	
PHHO	58.50	2.92	42.32	87.95	80
OPPO	6.00	.30	4.35	9.04	10
LEAR	.00	.00	.00	.00	00
LARE	.00	.00	.00	.00	00
SPCO	.70	.03	.43	.90	15
ERPU	1.50	.07	1.10	2.11	15
Forb Total	66.70	3.32	48.11	100.00	
UNDERSTORY TOTAL	139.70	6.90	100.00		

ARMINTO EXCLOSURE
Code No. 0101
Natrona

IN-NATIVE

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
7 June 1969					
ARTR	63.00	3.15			15
ARPE	17.70	.88			40
EULA	5.00	.25			
Shrub Total	85.70	4.28			
AGSM	21.10	1.06	11.86	36.81	100
ORHY	.00	.00	.00	.00	00
POSE	24.60	1.23	13.76	42.71	65
STCO	9.50	.47	5.26	16.32	20
CAEL	2.30	.12	1.34	4.16	75
Grass Total	57.50	2.88	32.22	100.00	
PHHO	68.00	3.40	38.03	56.10	85
OPPO	52.00	2.60	29.09	42.91	40
LEAR	.50	.02	.22	.33	05
LARE	.00	.00	.00	.00	00
ERPU	.50	.02	.22	.33	05
SPCO	.50	.02	.22	.33	00
PLPA	.00	.00	.00	.00	00
DEPI	.00	.00	.00	.00	00
CYMO	.00	.00	.00	.00	00
LEDE	.00	.00	.00	.00	00
MAVI	.00	.00	.00	.00	00
Forb Total	121.50	6.06	67.78	100.00	
Understory Total	179.00	8.94	100.00		

ARMINTO EXCLOSURE

OUTSIDE FURROWED AND SEEDED

Code No. 0101 Natrona

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
7 June 1969					
ARTR	66.0	3.30			15%
ARPE	11.0	0.55			35%
EULA	0.1	0.005			5%
Shrub Total	77.1	3.855			
CAFI	6.0	0.3	5.07	11.21	10%
AGCR	6.5	0.325	5.49	12.15	25%
AGSM	20.5	1.025	17.30	38.33	100%
POSE	14.1	0.705	11.91	26.35	50%
STCO	6.0	0.3	5.07	11.21	15%
CAEL	0.4	0.02	0.34	0.75	20%
Grass Total	53.5	2.675	45.18	100.00	
OPPO	47.0	2.35	39.71	72.43	10%
SPCO	0.1	0.005	0.08	0.15	5%
PHHO	17.0	0.85	14.36	26.19	45%
LEAR	.3	0.015	0.25	0.46	10%
CYMO	0.0	0.0	0.0	0.0	
ERPU	0.5	0.025	0.42	0.77	5%
MONU	0.0	0.0	0.0	0.0	
LARE	0.0	0.0	0.0	0.0	
ALTE	0.0	0.0	0.0	0.0	
Forb Total	64.9	3.245	54.82	100.00	
Understory Total	188.4	5.92	100.00		

BIG BEND EXCLOSURE

OUTSIDE

Code No. 1511 Hot Springs

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
12 June 1969					
ARTR	295.2	14.76			55%
EULA	1.0	.05			5
Shrub Totals	296.2	14.81			
AGSM	10.7	.54	14.03	15.04	100
BRTE	7.6	.38	9.87	10.59	70
FEOC	3.1	.15	3.90	4.18	45
POSE	18.5	.92	23.89	25.62	60
BOGR	32.0	1.60	41.56	44.57	25
Grass Totals	71.9	3.59	93.25	100.00	
DEPI	.1	.01	.26	3.85	5
PLSP	.2	.01	.26	3.85	10
LARE	.7	.03	.78	11.55	35
LEDE	.6	.03	.78	11.55	30
SPCO	.6	.03	.78	11.55	10
OPPO	3.0	.15	3.89	57.65	5
Forb Totals	5.2	.26	6.75	100.00	
Understory Totals	77.1	3.85	100.00		

BIG BEND EXCLOSURE

INSIDE Code No. 1511 Hot Springs

	Cover % Total	Cover % Average	Comp. All % Understory	Comp. % by Group	Percent Frequency
12 June 1969					
ARTR	376.2	18.81			70%
EULA	13.0	.65			10
Shrub Total	389.2	19.46			
BRTE	6.4	.32	9.22	10.13	70
FEOC	.1	.01	.29	.32	5
AGSM	8.7	.43	12.39	13.60	75
POSE	25.0	1.25	36.03	39.56	65
BOGR	22.0	1.10	31.70	34.81	25
STCO	1.0	.05	1.44	1.58	5
Grass Total	63.2	3.16	91.07	100.00	
LARE	1.1	.05	1.44	16.13	35
LEDE	.8	.04	1.15	12.88	20
PLSP	.3	.02	.58	6.49	15
OPPO	4.0	.20	5.76	64.50	10
Forb Total	6.2	.31	8.93	100.00	
Understory Total	69.4	3.47	100.00		

BIG FLAT EXCLOSURE

INSIDE

Code No. 0916 Big Horn

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
5 June 1969					
ATNU	68.0	3.40			75%
Shrub Total	68.0	3.40			
SIHY	53.3	2.67	46.27	46.51	80
POSE	1.0	.05	.87	.88	5
ELJU	15.5	.77	13.34	13.41	10
AGCR	45.0	2.25	39.00	39.20	10
Grass Total	114.8	5.74	99.48	100.00	
PLPA	.1	.01	.17	32.69	5
MATA	.2	.01	.17	32.69	10
LARE	.3	.015	.18	34.62	15
Forb Total	115.4	.035	.52	100.00	
Understory Total	115.4	5.77	100.00		

BIG FLAT EXCLOSURE

OUTSIDE

Code No. 0916 Big Horn

	Cover % Total	Cover % Average	Comp. % all Understory	Comp. % by Group	Percent Frequency
5 June 1969					
ATNU	267.00	13.35			95%
Shrub Total	267.00	13.35			
SIHY	10.8	.54	61.36	94.74	90
POSE	.5	.03	3.41	5.26	5
Grass Total	11.3	.57	64.77	100.00	
MATA	4.1	.21	23.86	67.73	80
LEDE	.3	.01	1.14	3.23	15
DEPI	.6	.03	3.41	9.68	10
LARE	.8	.04	4.54	12.90	20
PLPA	.3	.01	1.14	3.23	15
MONU	.1	.01	1.14	3.23	5
Forb Total	6.2	.31	35.23	100.00	
Understory Total	17.5	.88	100.00		

BIG SAGE EXCLOSURE

OUTSIDE-SPRAY 1102 Big Sage Park Co.

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
5 June 1969					
ARTR	12.0	.60			5%
GUSA	0.0	0.00			0
Shrub Total	12.0	.60			
AGSP	2.0	.10	.89	.92	15
AGSM	6.9	.34	3.03	3.14	75
POSE	25.6	1.28	11.41	11.81	75
KOCK	45.0	2.25	20.05	20.76	70
BOGR	110.5	5.53	49.29	51.01	70
CAEL	3.6	.18	1.60	1.66	75
CAFI	5.0	.25	2.23	2.31	10
STCO	17.1	.86	7.66	7.93	55
SIHY	1.0	.05	.45	.46	5
Grass Total	216.7	10.84	96.61	100.00	
OPPO	0.0	0.00	0.00	0.00	0
PHHO	5.0	.25	2.23	65.79	20
ERPU	0.0	0.00	0.00	0.00	0
VIAM	0.1	.01	.09	2.63	5
ASPU	0.5	.02	.18	5.26	5
ARFR	0.0	0.00	0.00	0.00	0
ARHO-2	2.0	.10	.89	26.32	5
Forb Total	7.6	.38	3.39	100.00	
Understory Total	223.4	11.22	100.00		

BIG SAGE EXCLOSURE
Code no. 1102 Park Co.

INSIDE-NO SPRAY

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
5 June 1969					
ARTR	123.0	6.15			35%
GUSA	2.5	.13			10
Shrub Total	125.5	6.28			
AGSP	3.5	.18	1.35	1.63	15
AGSM	11.2	.56	4.21	5.09	75
POSE	16.5	.83	6.25	7.56	80
BOGR	144.6	7.23	54.40	65.79	55
CAFI	15.0	.75	5.64	6.82	10
CAEL	4.9	.24	1.81	2.19	85
STCO	24.0	1.20	9.03	10.92	70
SIHY	0.0	0.00	0.00	0.00	0
Grass Total	219.7	10.99	82.69	100.00	
OPPO	30.0	1.50	11.29	65.22	10
PHHO	16.0	.80	6.02	34.78	10
Forb Total	46.0	2.30	17.31	100.00	
Understory Total	265.7	13.29	100.00		

BIG SAGE EXCLOSURE
Code No. 1102 Park Co.

INSIDE-SPRAY

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
5 June 1969					
ARTR	0	0			0%
Shrub Total	0	0			
AGSM	12.8	.64	3.60	3.78	90
POSE	32.6	1.63	9.18	9.62	90
BOGR	247.5	12.38	69.71	73.04	80
CAFI	3.0	.15	.84	.88	5
CAEL	3.1	.16	.90	.94	95
STCO	17.5	.87	4.90	5.13	50
KOCR	22.5	1.12	6.31	6.61	35
Grass Total	339.0	16.95	95.44	100.00	
OPPO	15.0	.75	4.22	92.55	5
PHHO	1.0	.05	.28	6.14	5
SPCO	0.0	0.00	0.00	0.00	0
LARE	.2	.01	.06	1.31	10
Forb Total	16.2	.81	4.56	100.00	
Understory Total	355.2	17.76	100.00		

BIG SAGE EXCLOSURE
Code No. 1102 Park Co.

OUTSIDE-NO SPRAY

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
5 June 1969					
ARTR	80.0	4.0			35%
Shrub Total	80.0	4.0			
AGSP	0.0	0.0	0	0	0
AGSM	8.8	.44	3.55	3.55	80
BOGR	176.5	8.83	67.30	71.27	85
POSE	8.0	.40	3.05	3.23	35
CAFI	26.0	1.30	9.91	10.49	30
CAEL	5.4	.27	2.06	2.18	85
STCO	22.5	1.12	8.53	9.04	60
SIHY	.5	.03	.23	.24	5
Grass Total	247.7	12.39	94.44	100.00	
OPPO	11.5	.57	4.34	78.05	15
SPCO	.7	.04	.30	5.40	15
PHHO	2.0	.10	.76	13.67	10
VIAM	.2	.01	.08	1.44	10
LEDE	..2	.01	.08	1.44	10
Forb Total	14.6	.73	5.56	100.00	
Understory Total	262.3	13.12	100.00		

BIG SKY EXCLOSURE
Code No. 1103 Park Co.

IN NO-SPRAY

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
5 June 1969					
ARTR	281.00	14.05			60
GUSA	5.00	.25			20
Shrub Total	286.00	14.35			
AGSM	2.70	.13	2.33	2.69	35
AGSP	24.60	1.23	22.01	25.47	60
POSE	35.50	1.77	31.66	36.64	85
SIHY	6.00	.30	5.36	6.21	25
ORHY	10.00	.50	8.94	10.35	15
STCO	18.00	.90	16.10	18.64	25
BOGR	0.00	.00	.00	.00	00
Grass Total	96.80	4.83	86.40	100.00	
PHHO	10.00	.50	8.95	65.81	20
VIAM	1.40	.07	1.25	9.19	50
ASMI #2	3.00	.15	2.68	19.71	10
ASDR	0.00	.00	.00	.00	00
GACO	.20	.01	.18	1.32	10
ERPU	.50	.02	.36	2.65	05
UMB sp.	.20	.01	.18	1.32	10
VIVA	.00	.00	.00	.00	00
Lesquevella sp.	.00	.00	.00	.00	00
Forb Total	112.10	.76	13.60	100.00	
Understory Total	112.10	5.59	100.00		

BIG SKY EXCLOSURE
Code No. 1103 Park Co.

OUT SPRAY

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
5 June 1969					
ARTR	5.00	.25			05
GUSA	6.60	.33			25
CHVI	0.00	.00			00
Shrub Total	11.60	.58			
SIHY	2.00	.10	1.78	1.89	05
AGSP	61.00	3.05	54.37	57.77	85
AGSM	5.10	.20	3.57	3.78	30
STCO	12.60	.63	11.23	11.94	45
POSE	24.00	1.20	21.39	22.73	65
CAFI	0.00	.00	.00	.00	00
CAEL	2.00	.10	1.78	1.89	10
Grass Total	106.70	5.28	94.12	100.00	
OPPO	1.00	.05	.89	15.14	05
PHHO	1.00	.05	.89	15.14	05
ASMI #2	4.60	.23	4.10	69.72	30
VIAM	.00	.00	.00	.00	00
ASDR	.00	.00	.00	.00	00
ASPU	.00	.00	.00	.00	00
UMB sp.	.10	T	.00	.00	05
LARE	.00	.00	.00	.00	00
ARFR	.00	.00	.00	.00	00
Forb Total	6.70	.33	5.88	100.00	
Understory Total	113.40	5.61	100.00		

BIG SKY EXCLOSURE
Code No. 1103 Park Co.

INSIDE SPRAY

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
5 June 1969					
ARTR	23.00	1.15			20
GUSA	11.00	.55			30
CHVI	0.00	.00			00
Shrub Total	34.00	1.70			
AGSM	36.10	1.71	34.76	39.40	90
AGSP	16.50	.82	16.67	18.90	30
POSE	33.00	1.66	33.74	38.24	80
STCO	3.00	.15	3.05	3.46	05
ORHY	.00	.00	.00	.00	00
SIHY	.00	.00	.00	.00	00
BOGR	.00	.00	.00	.00	00
Grass Total	88.60	4.34	88.22	100.00	
OPPO	2.00	.10	2.03	17.23	05
PHHO	7.00	.35	7.11	60.36	05
ASMI #2	1.60	.08	1.63	13.83	20
ASPU	1.00	.05	1.01	8.58	05
VIAM	.00	.00	.00	.00	00
ERPU	.00	.00	.00	.00	00
ARFR	.00	.00	.00	.00	00
UMB sp.	.10	T	.00	.00	05
Forb Total	11.70	.58	11.78	100.00	
Understory Total	100.30	4.92	100.00		

BIG SKY EXCLOSURE
Code No. 1103 Park Co.

Out No-Spray

June 5, 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	177.00	8.88			35
GUSA	19.50	.95			40
CHBI	.00	.00			00
Shrub Total	196.50	9.83	—	—	
AGSM	4.80	.24	4.51	6.59	50
AGSP	24.50	1.22	22.93	33.52	70
POSE	27.60	1.38	25.94	37.91	75
STCO	12.00	.60	11.28	16.48	25
ORHY	.00	.00	.00	.00	00
SIHY	4.00	.20	3.76	5.50	15
KOCR	.00	.00	.00	.00	00
BOGR	.00	.00	.00	.00	00
Grass Total	72.90	3.64	68.42	100.00	
PHHO	26.00	1.30	24.44	77.38	40
ASMI #2	.00	.00	.00	.00	00
VIAM	3.30	.16	3.00	9.52	65
GACO	1.10	.05	.94	2.98	15
SPCO	.50	.02	.38	1.19	05
Lesquerella	.60	.03	.56	1.79	10
ARFR	2.00	.10	1.88	5.95	05
VIVA	.10	T	.00	.00	05
Umb sp.	.10	T	.00	.00	05
ALTE	.10	T	.00	.00	05
ASDR	.50	.02	.38	1.19	05
Forb Total	34.30	1.68	31.58	100.00	
UNDERSTORY TOTAL	107.20	5.32	100.00		

BIG TRAILS EXCLOSURE
Code No..2011
Washakie

Outside 'A' 17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	197.10	9.85	____	____	45
Total Shrub	197.10	9.85			
AGSP	46.10	2.30	33.14	44.75	95
AGSM	1.60	.05	.72	.97	40
POSE	33.20	1.66	23.92	32.30	95
KOCR	18.50	.93	13.40	18.09	45
BOGR	4.00	.20	2.88	3.89	10
Total Grass	103.40	5.14	74.06	100.00	
PHHO	34.10	1.70	24.50	94.44	80
CRAC	1.20	.05	.72	2.78	40
UMB	.10	T	.00	.00	05
PEER	.30	.01	.14	.54	15
ASGR	.50	.02	.29	1.12	05
ASPU	.10	T	.00	.00	05
SPCO	.50	.02	.29	1.12	05
Total Forb	36.80	1.80	25.94	100.00	
UNDERSTORY TOTAL	140.20	6.94	100.00		

BIG TRAILS EXCLOSURE
Code No. 2011
Washakie

Inside 'B' 17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	208.30	10.42			50
GUSA	1.00	.05			10
Shrub Total	209.30	10.47			
KOCR	23.10	1.15	11.34	14.74	35
AGSM	12.60	.63	6.21	8.08	90
POSE	38.50	1.92	18.92	24.60	95
AGSP	19.00	.95	9.37	12.18	55
BOGR	57.10	2.85	28.11	36.55	20
CAFI	6.00	.30	2.96	3.85	05
Grass Total	136.30	7.80	76.91	100.00	
PHHO	22.00	1.10	10.85	46.99	45
SPCO	.60	.03	.30	1.30	10
VER	1.00	.05	.49	2.12	10
CRAC	.70	.03	.30	1.30	15
GIPU	.30	.01	.10	.43	15
OPPO	22.00	1.10	10.85	46.99	05
ASPU	.50	.02	.20	.87	05
Forb Total	47.10	2.34	23.09	100.00	
UNDERSTORY TOTAL	203.40	10.14	100.00		

BIG TRAILS EXCLOSURE
Code No. 2011
Washakie

Outside 'B' 17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR					
ARTR	215.00	10.77			65
GUSA	3.50	.17			15
Shrub Total	218.50	10.94			
AGSM	7.70	.38	5.45	7.17	85
AGSP	17.50	.87	12.48	16.41	20
POSE	30.50	1.52	21.81	28.68	90
BOGR	28.00	1.40	20.08	26.42	30
STCO	.50	.02	.29	.38	5
KOCR	18.00	.90	12.91	16.98	40
FECO	4.20	.21	3.01	3.96	20
SPCO	.00	.00	.00	.00	5
Grass Total	106.40	5.30	76.03	100.00	
PHHO	27.50	1.37	19.66	82.03	45
CRAC	.70	.03	.43	1.79	15
ERPU	.10	T	.00	.00	5
PLSP	.40	.02	.29	1.21	20
CAAN	.10	.00	.00	.00	5
ASGR	1.00	.05	.72	3.00	5
OPPO	4.00	.20	2.87	11.97	5
Forb Total	33.80	1.67	23.97	100.00	
UNDERSTORY TOTAL	140.20	6.97	100.00		

BIG TRAILS EXCLOSURE
Code No. 2011
Washakie

Inside 'A' 17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	74.10	3.70			30
GUSA	1.10	.05			10
Shrub Total	75.20	3.75			
BOGR	32.10	1.60	17.66	23.88	20
AGSM	6.40	.32	3.53	4.77	65
KOCR	22.50	1.12	12.36	16.71	65
AGSP	55.50	2.77	30.57	41.34	80
POSE	9.80	.49	5.41	7.32	60
FEOC	8.10	.40	4.42	5.98	10
Grass Total	134.40	6.70	73.95	100.00	
PEER	2.20	.11	1.21	4.65	50
GIPU	.10	T	.00	.00	05
CRAC	.90	.45	4.97	19.08	25
PHHO	33.60	1.66	18.33	70.35	60
ASGR	2.00	.10	1.10	4.22	05
ASPU	.50	.02	.22	.85	05
VER	.10	T	.00	.00	05
ANDI	.50	.02	.22	.85	05
PLSP	.10	T	.00	.00	05
SPCO	.10	T	.00	.00	05
Forb Total	40.10	2.36	26.05	100.00	
UNDERSTORY TOTAL	174.50	9.06	100.00		

BLACK MOUNTAIN EXCLOSURE

Inside — Code No. 0918 — Big Horn — 27 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	352.00	17.60			100
GUSA	1.00	.05			05
Shrub Total	353.00	17.65			
AGSM	63.50	3.18	60.00	75.18	95
KOCR	16.00	.80	15.09	18.91	55
STI	.00	.00	.00	.00	00
POSE	1.00	.05	.94	1.18	10
CAREX	4.10	.20	3.77	4.73	55
Grass Total	84.60	4.23	79.81	100.00	
LILE	.00	.00	.00	.00	00
PHHO	6.10	.30	5.66	28.03	30
AGGL	.30	.02	.38	1.87	15
ANRO	.00	.00	.00	.00	00
TAOF	1.20	.06	1.13	5.60	20
ARN	4.40	.22	4.15	20.55	60
ASMI 2	3.10	.16	3.02	14.96	25
CIR	3.20	.16	3.02	14.96	15
AST	.60	.03	.57	2.81	10
VER	.00	.00	.00	.00	00
TRA	.50	.02	.38	1.87	05
VIO	1.30	.07	1.32	6.54	25
MER	.10	.01	.19	.94	05
LUP	.50	.02	.38	1.87	05
Forb Total	21.40	1.07	20.19	100.00	
UNDERSTORY TOTAL	106.00	5.30	100.00		

BLACK MOUNTAIN EXCLOSURE
Code No. 0918
Big Horn

Outside

27 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
GUSA	.00	.00			00
ARTR	515.00	25.75			95
Shrub Total	515.00	25.75			
AGSM	60.00	3.00	51.46	66.08	90
KOCR	9.50	.48	8.23	10.57	35
STI	.00	.00	.00	.00	00
POSE	9.50	.47	8.06	10.35	30
AGSP	1.00	.05	.86	1.10	05
CAEL	10.80	.54	9.26	11.90	85
Grass Total	90.80	4.54	77.87	100.00	
LILE	.00	.00	.00	.00	00
PHHO	15.60	.78	13.38	60.46	50
AGO	.20	.01	.17	.77	10
ANRO	1.00	.05	.86	3.88	05
TAOF	.10	.01	.17	.77	05
ARN	3.00	.15	2.58	11.66	50
GIL	.10	.01	.17	.77	05
CANO	.00	.00	.00	.00	00
ASMI 2	1.10	.05	.86	3.88	15
CIR	.00	.00	.00	.00	00
VER	.00	.00	.00	.00	00
AST	.10	.01	.17	.77	05
GRSQ	.50	.02	.34	1.54	05
VIO	2.60	.13	2.23	10.08	45
UMB	.00	.00	.00	.00	00
Trakicum	.50	.02	.34	1.54	05
LUP	1.00	.05	.86	3.88	05
Forb Total	25.80	1.29	22.13	100.00	
UNDERSTORY TOTAL	116.60	5.83	100.00		

BUFFALO BASIN EXCLOSURE
Code No. 1101
Park

Out ARTR

6 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. by % Group	Percent Frequency
ARTR	309.00	15.45			55
Shrub Total	309.00	15.45			
AGSM	26.50	1.32	20.31	25.19	100
AGSP	5.00	.25	3.85	4.78	30
POSE	25.00	1.25	19.23	23.85	90
KOCR	31.00	1.55	23.85	29.58	95
STCO	10.00	.50	7.69	9.54	30
CAEL	7.40	.37	5.69	7.06	75
Grass Total	104.90	5.24	80.62	100.00	
PHHO	11.50	.57	8.77	45.25	35
OPPO	.00	.00	.00	.00	00
AST #1	11.00	.55	8.46	43.65	45
TADF	.60	.03	.46	2.37	10
LEDE	.30	.01	.15	.78	15
VIAM	1.50	.07	1.08	5.57	35
VIVA	.00	.00	.00	.00	00
LARE	.20	.01	.15	.78	10
ERPU	.50	.02	.31	1.60	05
Forb Total	25.60	1.26	19.38	100.00	
UNDERSTORY TOTAL	130.50	6.50	100.00		

BUFFALO BASIN EXCLOSURE
Code No. 1101
Park

In ARTR — 6 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. by % Group	Percent Frequency
ARTR	187.50	9.37			70
EULA	6.00	.30			10
CHVI	1.00	.05			05
Shrub Total	194.50	9.72			
AGSM	18.10	.90	12.15	15.79	100
AGSP	4.00	.20	2.70	3.51	20
POSE	30.00	1.50	20.25	26.32	95
KOCR	26.50	1.32	17.82	23.16	75
STCO	30.50	1.52	20.51	26.66	80
CAEL	5.30	.26	3.51	4.56	80
Grass Total	114.40	5.70	76.94	100.00	
PHHO	8.50	.42	5.67	24.59	20
OPPO	.00	.00	.00	.00	00
AST #1	20.70	1.03	13.90	60.28	65
SPCO	.70	.03	.40	1.73	20
ERPU	1.60	.08	1.08	4.69	10
TAOF	.50	.02	.27	1.17	05
VIVA	.20	.01	.13	.56	10
UMB	.10	T	.00	.00	05
LEDE	.20	.01	.13	.56	10
ALTE	.10	T	.00	.00	05
LARE	1.00	.05	.67	2.91	05
VIAM	1.20	.06	.81	3.51	20
Forb Total	34.80	1.71	23.06	100.00	
UNDERSTORY TOTAL	149.20	7.41	100.00		

BUFFALO BASIN EXCLOSURE

Code No. 1101

Park

In Grass

6 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	2.0	.10			05
Shrub Total	2.0	.10			
AGSM	68.50	3.44	38.87	41.60	100
AGSP	1.50	.05	.56	.60	10
POSE	36.50	1.82	20.56	22.00	95
KOCR	49.50	2.42	27.34	29.26	90
STCO	5.50	.22	2.49	2.66	35
CAEL	6.50	.32	3.62	3.88	80
Grass Total	168.00	8.27	93.44	100.00	
PHHO	2.50	.12	1.36	20.73	10
OPPO	5.50	.22	2.49	37.96	15
LEDE	1.40	.07	.79	12.04	70
TAOF	1.10	.05	.56	8.54	15
ERPU	.00	.00	.00	.00	00
LARE	.20	.01	.11	1.68	10
CAAN	.00	.00	.00	.00	00
VIVA	.60	.03	.34	3.18	30
AST #1	1.70	.08	.91	13.87	30
ASC 1	.00	.00	.00	.00	00
UMB	.10	T	.00	.00	05
ANRO	.00	.00	.00	.00	00
For Total	13.10	.58	6.56	100.00	
UNDERSTORY TOTAL	181.10	8.85	100.00		

BUFFALO BASIN EXCLOSURE
Code No. 1101
Park

Out Grass

6 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	130.00	6.50			30
EULA	1.00	.05			05
Shrub Total	131.00	6.56			
AGSM	42.00	2.10	22.39	24.25	100
AGSP	16.60	.83	8.85	9.58	55
POSE	40.50	2.02	21.53	23.33	100
KOCR	26.50	1.32	14.07	15.24	80
STCO	46.00	2.30	24.52	26.56	85
CAEL	1.90	.09	.96	1.04	30
Grass Total	173.50	8.66	92.32	100.00	
PHHO	5.50	.27	2.88	37.50	20
AST #1	2.50	.12	1.28	16.67	20
SPCO	2.10	.15	1.60	20.82	25
TAOF	.60	.03	.32	4.17	10
ASPU	.50	.02	.21	2.78	05
AST #2	.00	.00	.00	.00	00
LARE	.70	.03	.32	4.17	35
LEDE	1.40	.07	.75	9.72	50
CHAL	.60	.03	.32	4.17	10
UMB	.00	.00	.00	.00	00
Forb Total	13.90	.72	7.68	100.00	
UNDERSTORY TOTAL	187.40	9.38	100.00		

DEAD INDIAN EXCLOSURE
Code No. 2012
Washakie

Out Furrowed

17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	73.10	3.65			30
GUSA	1.30	.06			25
ATCO	.00	.00			00
Shrub Total	74.40	3.71			
AGSP	48.10	2.40	66.48	74.77	95
AGCR	5.10	.02	.55	.62	20
CAFI	10.50	.50	13.85	15.58	25
POSE	5.50	.22	6.09	6.85	10
STCO	1.50	.07	1.94	2.18	10
FEOC	.10	T	.00	.00	05
Grass Total	70.80	3.21	88.91	100.00	
PHHO	7.20	.36	9.98	90.00	20
MACA	.00	.00	.00	.00	00
SPCO	.10	T	.00	.00	00
ALTE	.00	.00	.00	.00	00
ASDR	.00	.00	.00	.00	00
PEER	.90	.04	1.11	10.00	25
ARHO #2	.10	T	.00	.00	05
Forb Total	8.30	.40	11.09	100.00	05
UNDERSTORY TOTAL	79.10	3.61	100.00		

DEAD INDIAN EXCLOSURE
Code No. 2012
Washakie

In-Furrowed

17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	76.60	3.83			35
GUSA	5.70	.26			35
ATCO	.00	.00			00
Shrub Total	82.30	4.09			
AGSP	38.10	1.90	41.13	47.74	85
AGCR	6.50	.32	6.93	8.04	25
CAFI	21.50	1.07	23.16	26.88	30
POSE	11.50	.55	11.90	13.82	50
STCO	2.50	.12	2.60	3.02	10
BRCO	.10	T	.00	.00	05
KOCR	.50	.02	.43	.50	05
Grass Total	80.70	3.98	86.15	100.00	
PHHO	10.00	.50	10.81	78.05	25
MACA	.00	.00	.00	.00	00
SPCO	2.40	.12	2.60	18.77	35
ALTE	.00	.00	.00	.00	00
ASDR	.00	.00	.00	.00	00
PEER	.20	.01	.22	1.59	10
LARE	.30	.01	.22	1.59	15
ERPU	.10	T	.00	.00	05
Forb Total	13.00	.64	13.85	100.00	
UNDERSTORY TOTAL	93.70	4.62	100.00		

DONLIN EXCLOSURE
Code No. 0102
Natrona

Outside 7 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. by % Group	Percent Frequency
ARTR	3.50	.17			10
ARPE	7.00	.35			10
EULA	.00	.00			00
Shrub Total	10.50	.52			
AGSM	1.50	.07	1.11	1.35	10
POSE	9.00	.45	7.14	8.70	30
STCO	21.00	1.05	16.67	20.31	70
CAFI	72.00	3.60	57.14	69.64	100
Grass Total	103.50	5.17	82.06	100.20	
PHHO	22.50	1.12	17.78	99.11	45
SPCO	.30	.01	.16	.89	15
ARHO #2	.00	.00	.00	.00	00
LEAR	.00	.00	.00	.00	00
LOOR	.00	.00	.00	.00	00
Forb Total	22.80	1.13	17.94	100.00	
UNDERSTORY TOTAL	126.30	6.30	100.00		

DONLIN EXCLOSURE
Code No. 0102
Natrona

Inside

7 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	23.00	1.15			15
EULA	7.00	.35			15
ARPE	7.00	.35			10
Shrub Total	30.00	1.85			
AGSM	2.80	.14	1.93	2.20	25
POSE	4.50	.22	3.04	3.46	25
CAFI	89.00	4.45	61.46	69.97	95
STCO	31.00	1.55	21.41	24.37	70
Grass Total	127.30	6.36	87.84	100.00	
PHHO	12.00	.60	8.29	68.17	20
SPCO	.70	.03	.42	3.46	15
ERPU	.00	.00	.00	.00	00
ARHO #2	5.00	.25	3.45	28.37	05
CYMO	.10	T	.00	.00	05
ALTE	.00	.00	.00	.00	00
Forb Total	17.80	.88	12.16	100.00	
UNDERSTORY TOTAL	145.10	7.24	100.00		

EAST RIDGE EXCLOSURE
Code No. 2013
Washakie

Out-ATNU

12 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ATNU	198.60	9.93			70
Shrub Total	198.60	9.93			
SIHY	18.40	.92	55.76	55.76	90
POSE	12.10	.60	36.36	36.36	45
AGSM	.10	T	.00	.00	05
ORHY	2.70	.13	7.88	7.88	15
Grass Total	33.30	1.65	100.00	100.00	
MATA	.00	.00	.00	.00	00
LARE	.10	T	.00	.00	05
PHHO	.00	.00	.00	.00	00
Forb Total	.10	T	.00	.00	
UNDERSTORY TOTAL	33.40	1.65	100.00		

EAST RIDGE EXCLOSURE
Code No. 2013
Washakie

Out-ARTR

12 June 1969

	Cover % Group	Cover % Average	Comp. all % Understory	Comp. by % Group	Percent Frequency
ARTR	304.00	15.20			70
CHVI	5.00	.25			05
Shrub Total	309.00	15.45			
POSE	20.10	1.00	24.27	37.45	65
AGSM	20.30	1.10	26.70	41.20	95
SIHY	11.50	.57	13.83	21.35	45
Grass Total	51.90	2.67	64.80	100.00	
MATA	1.80	.09	2.18	6.20	25
LARE	.20	.01	.24	.68	10
PHHO	22.50	1.12	27.19	77.24	45
VIAM	2.40	.12	2.91	8.27	40
GIPU	.70	.03	.73	2.07	35
ERPU	1.10	.05	1.22	3.47	15
LEDE	.20	.01	.24	.68	10
CRE	.40	.02	.49	1.39	20
Forb Total	29.30	1.45	35.20	100.00	
UNDERSTORY TOTAL	81.20	4.12	100.00		

EAST RIDGE EXCLOSURE
Code No. 2013
Washakie

In-ATNU

12 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ATNU	244.50	12.22			70
Shrub Total	244.50	12.22			
SIHY	106.50	5.32	91.88	91.88	85
POSE	.00	.00	.00	.00	00
AGSM	.00	.00	.00	.00	00
ORHY	9.50	.47	8.12	8.12	25
Grass Total	116.00	5.79	100.00	100.00	
MATA	.00	.00	.00	.00	--
LARE	.00	.00	.00	.00	--
PHHO	.00	.00	.00	.00	--
CRE	.10	T	.00	.00	05
Forb Total	.10	T	.00	.00	
UNDERSTORY TOTAL	116.10	5.79	100.00		

EAST RIDGE EXCLOSURE
Code No. 2013
Washakie

In-ARTR

12 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	517.50	25.87			80
CHVI	.00	.00			00
ATNU	10.00	.50			05
Shrub Total	527.50	26.37			
POSE	22.50	1.12	44.62	56.00	45
AGSM	2.10	.10	3.98	5.00	40
SIHY	12.60	.63	25.10	31.50	50
AGSP	3.00	.15	5.98	7.50	05
Grass Total	40.20	2.00	79.68	100.00	
MATA	.00	.00	.00	.00	00
LARE	.10	T	.00	.00	05
PHHO	6.10	.30	11.95	58.81	30
VIAM	2.80	.14	5.58	27.46	50
GIPU	.10	T	.00	.00	05
ERPU	.00	.00	.00	.00	00
LEDE	.00	.00	.00	.00	00
CRE	1.20	.06	2.39	11.76	20
CHAL	.20	.01	.40	1.97	10
Forb Total	10.50	.51	20.32	100.00	
UNDERSTORY TOTAL	50.70	2.51	100.00		

EMGEE EXCLOSURE
Code No. 2014
Washakie

Out Non-Spray — 17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	191.00	9.55			65
Shrub Total	191.00	9.55			
KOCR	1.00	.05	1.68	2.09	05
BRTE	.30	.01	.34	.42	15
STCO	11.50	.57	19.19	23.85	20
FEOC	.20	.01	.34	.42	10
POSE	27.10	1.35	45.45	56.49	55
AGSP	7.70	.33	11.11	13.81	45
AGSM	1.10	.05	1.68	2.09	10
ARLO	.50	.02	.67	.83	15
Grass Total	49.40	2.39	80.46	100.00	
OPPO	6.00	.30	10.10	51.69	05
PLSP	1.80	.09	3.03	15.51	50
LEDE	.70	.03	1.01	5.17	35
ARHO #2	.20	.01	.34	1.73	10
CRE	.60	.03	1.01	5.17	10
ANDI	2.00	.10	3.38	17.30	05
COPA	.00	.00	.00	.00	--
ERPU	.00	.00	.00	.00	--
ERSE	.10	T	.00	.00	05
PHHO	.50	.02	.67	3.43	05
Forb Total	11.90	.58	19.54	100.00	
UNDERSTORY TOTAL	61.30	2.97	100.00		

EMGEE EXCLOSURE
Code No. 2014
Washakie

Inside-Spray

17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. by % Group	Percent Frequency
ARTR	.00	.00			--
Shrub Total	.00	.00			
STCO	1.60	.08	1.59	2.22	15
AGSM	20.50	1.20	23.90	33.33	90
AGSP	5.20	.26	5.18	7.22	20
POSE	26.20	1.31	26.10	36.40	80
SIHY	6.60	.33	6.57	9.16	20
BRTE	7.50	.37	7.37	10.28	60
FEOC	1.10	.05	1.00	1.39	35
Grass Total	68.70	3.60	71.71	100.00	
LEDE	1.10	.05	1.00	3.53	55
ERPU	.60	.03	.60	2.12	10
OPPO	8.00	.40	7.97	28.17	10
ANOC	.00	.00	.00	.00	--
DEPI	.00	.00	.00	.00	--
ALTE	.00	.00	.00	.00	--
MONU	.00	.00	.00	.00	--
OECO	.00	.00	.00	.00	--
PLSP	18.90	.94	18.72	66.18	95
MACA	.10	T	.00	.00	05
PLPA	.00	.00	.00	.00	--
Forb Total	28.70	1.42	28.29	100.00	
UNDERSTORY TOTAL	96.40	5.02	100.00		

EMGEE EXCLOSURE
Code No. 2014
Washakie

Inside-Non Spray — 17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	167.10	8.35			60
Shrub Total	167.10	8.35			
AGSM	11.20	.56	9.71	15.78	75
AGSP	14.00	.70	12.13	19.71	40
KOCR	5.60	.28	4.85	7.88	25
POSE	39.60	1.98	34.32	55.78	80
BRTE	.40	.02	.35	.57	20
FEOC	.30	.01	.17	.28	15
Grass Total	71.10	3.55	61.53	100.00	
OPPO	10.00	.50	8.67	22.54	15
PHHO	26.00	1.30	22.53	58.56	30
LEDE	.30	.01	.17	.44	15
ERPU	1.60	.08	1.39	3.61	20
PLSP	3.80	.19	3.29	8.55	70
CRE	.50	.12	2.07	.91	10
ANDI	2.50	.12	2.07	5.39	10
VIVA	.10	T	.00	.00	05
Forb Total	44.80	2.22	38.47	100.00	
UNDERSTORY TOTAL	115.90	5.77	100.00		

EMGEE EXCLOSURE
Code No. 2014
Washakie

Out-Spray

17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	38.00	1.90			05
Shrub Total	38.00	1.90			
BRTE	6.40	.32	4.43	6.93	70
STCO	11.50	.57	7.89	12.33	20
FEOC	.90	.04	.55	.87	25
POSE	26.50	1.32	18.28	28.57	65
AGSP	33.70	1.68	23.28	36.38	90
AGSM	10.50	.52	7.20	11.25	60
KOCR	.00	.00	.00	.00	--
SIHY	1.00	.05	.69	1.08	10
ARLO	2.50	.12	1.66	2.59	20
Grass Total	91.00	4.62	63.98	100.00	
PHHO	2.10	.15	2.08	5.77	10
OPPO	44.00	2.20	30.47	84.59	25
PLSP	4.00	.20	2.77	7.69	80
OECO	.00	.00	.00	.00	--
DEPI	.00	.00	.00	.00	--
LARE	.10	T	.00	.00	05
ANDL	.00	.00	.00	.00	--
CRFL	.00	.00	.00	.00	--
ARHO #2	.10	T	.00	.00	05
PHA	.00	.00	.00	.00	--
LEDE	.60	.03	.42	1.17	30
UNK #1	.30	.01	.14	.39	15
MACA	.10	T	.00	.00	05
CHAL	.10	T	.00	.00	05
LISE	.20	.01	.14	.39	10
GARA	.10	T	.00	.00	05
ERPU	.10	T	.00	.00	05
Forb Total	51.80	2.60	36.02	100.00	
UNDERSTORY TOTAL	142.80	7.22	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

Inside Type 'A' — 18 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	35.50	1.77			35
ARFR	13.50	.67			35
Shrub Total	49.00	2.44			
STCO	.00	.00	.00	.00	--
POFE	1.00	.01	.08	.14	05
POCA	4.50	.22	1.72	3.07	20
POSE	30.00	1.50	11.73	20.92	75
AG spp	57.00	2.85	22.29	39.76	95
KOCR	26.00	1.30	10.16	18.12	95
CAEL	.70	.03	.23	.41	15
STVI	3.00	.15	1.17	2.09	15
FEID	6.00	.30	2.35	4.19	25
DAUN	16.00	.80	6.25	11.16	50
CAR	1.00	.01	.08	.14	10
Grass Total	145.20	7.17	36.06	100.00	
CAL	.50	.02	.16	.36	05
ACLA	.60	.03	.23	.52	10
CEAR	8.00	.40	3.13	7.12	70
TAOF	33.50	1.67	13.06	29.72	75
ANRO	17.00	.83	6.49	14.77	45
ANOC	.70	.03	.23	.53	15
POT	2.10	.10	.78	1.78	25
ARHI	.90	.04	.31	.71	25
ARHO	.00	.00	.00	.00	--
LARE	.00	.00	.00	.00	--
ARFU	45.10	2.25	17.59	40.03	100
PHHO	.00	.00	.00	.00	--
ALTE	.00	.00	.00	.00	--
POGR	2.70	.13	1.02	2.32	30
ERPU	2.10	.10	.78	1.78	10
ZYG	.50	.02	.16	.36	05
Forb Total	113.70	5.62	43.94	100.00	
UNDERSTORY TOTAL	258.90	12.79	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

Outside Type 'A' 17 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	37.00	1.85			25
ARFR	45.10	2.25			80
Shrub Total	82.10	4.10			
STCO	.50	.02	.17	.27	05
POFE	7.50	.37	3.16	4.98	25
POCA	4.00	.20	1.71	2.69	20
POSE	24.00	1.20	10.25	16.15	60
AG spp	54.00	2.70	23.06	36.34	100
AGEX	.50	.02	.17	.27	05
KOCR	28.50	1.42	12.13	19.11	95
CAEL	4.00	.20	1.71	2.69	15
STVI	1.00	.05	.43	.68	05
FEID	3.00	.15	1.28	2.02	10
DAUN	20.50	1.02	8.71	13.72	50
CAR	1.70	.08	.68	1.08	25
Grass Total	153.20	7.43	63.46	100.00	
CAL	.50	.02	.17	.47	05
ACLA	.50	.02	.17	.47	05
CEAR	5.20	.26	2.22	6.07	45
TAOF	33.50	1.67	14.26	39.03	80
ANRO	4.00	.20	1.71	4.68	10
ANOC	1.40	.07	.60	1.64	50
POT	1.60	.08	.68	1.86	20
ARCO #2	.00	.00	.00	.00	--
ARHI	.50	.02	.17	.47	25
ARHO	5.00	.25	2.13	5.83	05
BEWY	.00	.00	.00	.00	--
LARE	.10	T	.00	.00	05
ARFU	29.80	1.49	12.72	34.80	65
VIVA	2.60	.13	1.11	3.04	25
PHHO	1.00	.05	.43	1.17	05
ALTE	.10	T	.00	.00	05
POGR	.50	.02	.17	.47	05
Forb Total	86.30	4.28	36.54	100.00	
UNDERSTORY TOTAL	239.50	11.71	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

In Type 'B' 18 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ROWO	1.00	.05			05
Shrub Total	1.00	.05			
DAUN	162.60	8.13	46.22	88.07	45
POCA	.10	T	.00	.00	05
POSE	15.00	.75	4.27	8.14	25
CAR	.10	T	.00	.00	05
AGRSpp	2.00	.10	.57	1.08	05
KOCR	5.00	.25	1.42	2.71	15
Grass Total	184.80	9.23	52.48	100.00	
TAOF	.10	T	.00	.00	05
VIVA	.10	T	.00	.00	05
ARCO	1.00	.05	.28	.59	05
ACLA	.20	.01	.06	.13	10
ARHO #2	.10	T	.00	.00	05
ARHO	163.00	8.15	46.33	97.49	65
ANRO	1.00	.05	.28	.59	05
POGR	2.00	.10	.57	1.20	05
Forb Total	167.50	8.36	47.52	100.00	
UNDERSTORY TOTAL	352.30	17.59	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

Out Type 'B' 18 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
Shrub Total	None	None			--
POSE	14.00	.70	3.26	7.14	65
DAUN	172.00	8.60	40.06	87.75	55
KOCR	10.00	.50	2.33	5.11	35
Grass Total	196.00	9.80	45.65	100.00	
ARHO	233.50	11.67	54.35	100.00	75
Forb Total	233.50	11.67	54.35	100.00	
UNDERSTORY TOTAL	429.50	21.47	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

Outside Non-Spray Type 'C'

19 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	476.00	23.80			95
ARFR	8.00	.40			15
GUSA	.00	.00		-	--
CHNA	28.00	1.40			10
Shrub Total	512.00	25.60			
POFE	9.00	.45	4.12	6.69	25
POSE	19.00	.95	8.69	14.11	70
POCA	1.00	.05	.46	.75	05
KOCR	29.60	1.48	13.54	21.98	85
AGRSpp	12.90	.64	5.86	9.51	70
FEID	58.50	2.92	26.73	43.39	40
DAUN	.00	.00	.00	.00	--
CAR	4.90	.24	2.20	3.57	45
STVI	.00	.00	.00	.00	--
Grass Total	134.90	6.73	61.61	100.00	
VIAM	.00	.00	.00	.00	--
ARFU	.70	.03	.27	.70	15
POGR	1.40	.07	.64	1.67	30
PHHO	12.50	.62	5.67	14.77	45
TAOF	20.20	1.01	9.24	24.05	100
CEAR	3.10	.15	1.37	3.57	50
ANRO	16.00	.80	7.32	19.07	25
ACLA	.40	.02	.18	.47	20
ARCO	.10	T	.00	.00	05
ERPU	.10	T	.00	.00	05
ERCO	.00	.00	.00	.00	--
VIVA	.10	T	.00	.00	05
ANOC	.60	.03	.27	.70	10
ARHO	15.00	.75	6.86	17.87	10
POT	.20	.01	.09	.23	10
ASMI	6.00	.30	2.74	7.14	80
OXSE	8.30	.41	3.75	9.76	50
Forb Total	84.70	4.20	38.39	100.00	
UNDERSTORY TOTAL	219.60	10.93	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

Outside Spray Type 'C' — 19 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	93.10	4.65			30
ARFR	.00	.00			--
GUSA	.00	.00			--
CHNA	.00	.00			--
Shrub Total	93.10	4.65			
POSE	3.00	.15	1.10	1.30	25
POCA	16.50	.82	6.03	7.10	50
KOCR	11.80	.59	4.34	5.11	60
AGRspp	16.90	.84	6.18	7.27	30
FEID	164.00	8.20	60.29	71.00	100
DAUN	4.00	.20	1.47	1.73	15
CAR	.50	.20	1.47	1.73	05
STVI	.00	.00	.00	.00	--
POFE	11.00	.55	4.04	4.76	20
Grass Total	227.70	11.55	84.92	100.00	
ERPU	.10	T	.00	.00	05
VIAM	.00	.00	.00	.00	--
ARFU	2.30	.11	.81	5.37	30
POGR	3.50	.12	.88	5.84	10
PHHO	1.00	.05	.37	2.45	05
TAOF	13.40	.67	4.93	32.69	95
CEAR	6.90	.34	2.50	16.58	75
ANRO	12.50	.62	4.56	30.24	40
ACLA	.50	.02	.15	.99	25
ARCO	.00	.00	.00	.00	--
ARHO	.00	.00	.00	.00	--
ASMI	.70	.03	.22	1.46	15
ANOC	.30	.01	.07	.46	15
POT	1.00	.05	.37	2.45	10
OXSE	.20	.01	.07	.49	10
VIVA	.50	.02	.15	.99	25
Forb Total	42.90	2.05	15.08	100.00	
UNDERSTORY TOTAL	270.60	13.60	100.00		

GRASS CREEK DIVIDE
EXCLOSURE

Inside Spray Type 'C' | Code No. 1512 Hot Springs | 20 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	71.10	3.66			30
Shrub Total	71.10	3.66			
POSE	8.00	.40	2.84	4.00	30
POCA	24.10	1.20	8.51	12.01	60
POFE	13.00	.65	4.61	6.51	30
KOCR	21.80	1.09	7.73	10.91	75
AGRspp	25.00	1.25	8.87	12.52	100
FEID	99.50	4.97	35.26	49.75	70
DAUN	7.10	.35	2.48	3.50	25
CAR	1.60	.08	.57	.80	15
Grass Total	200.10	9.99	70.87	100.00	
ARA	.30	.10	.71	2.44	15
ERPU	.00	.00	.00	.00	--
ARFU	4.90	.24	1.70	5.84	50
POGR	2.30	.11	.78	2.68	30
PHHO	3.30	.16	1.13	3.88	20
TAOF	21.20	1.06	7.52	25.81	100
CEAR	2.90	.14	.99	3.40	65
ANRO	37.50	1.87	13.26	45.51	40
ACLA	1.40	.07	.50	1.72	50
ARHO	.00	.00	.00	.00	55
ASMI	5.40	.27	1.91	6.56	55
ANOC	.20	.01	.07	.24	10
POT	.00	.00	.00	.00	--
OXSE	.80	.04	.28	.96	20
VIVA	.30	.01	.07	.24	15
ARCO	.70	.03	.21	.72	15
ZYVE	.10	T	.00	.00	05
Forb Total	81.30	4.11	29.13	100.00	
UNDERSTORY TOTAL	281.40	14.10	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512

Inside Non-Spray Type 'C' Hot Springs 20 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	433.00	26.65			95
ARFR	2.60	.13			15
Shrub Total	435.60	26.78			
AGEX	2.00	.10	.78	1.47	05
POSE	13.00	.65	5.05	9.52	40
POCA	11.00	.55	4.28	8.07	35
POFE	1.00	.05	.39	.74	05
KOCR	16.50	.82	6.38	12.03	60
AGRspp	12.80	.64	4.97	9.37	90
FEID	72.10	3.60	27.99	52.79	80
DAUN	.00	.00	.00	.00	--
CAR	.20	.01	.08	.15	10
STVI	8.00	.40	3.11	5.86	25
Grass Total	136.60	6.82	53.03	100.00	
ALTE	.10	T	.00	.00	05
ARA	.00	.00	.00	.00	--
ERPU	.10	T	.00	.00	05
ARFU	1.30	.06	.47	1.00	25
POGR	2.60	.13	1.01	2.15	50
PHHO	6.00	.30	2.33	4.96	25
TAOF	20.30	1.01	7.85	16.71	90
CEAR	4.10	.20	1.56	3.32	85
ANRO	81.50	4.07	31.65	67.38	75
ACLA	.50	.02	.16	.34	25
ARHO	.00	.00	.00	.00	--
ASMI	3.20	.16	1.24	2.64	80
ANOC	.20	.01	.08	.17	10
POT	.70	.03	.23	.50	15
OXSE	.80	.04	.31	.66	20
VIVA	.00	.00	.00	.00	--
ARCO	.00	.00	.00	.00	--
ZYVE	.20	.01	.08	.17	10
Forb Total	121.60	6.04	46.97	100.00	
UNDERSTORY TOTAL	258.20	12.86	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

Inside Type 'D' 19 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. by % Group	Percent Frequency
ARTR	40.00	2.00			15
ARFR	14.30	.72			70
GUSA	40.70	2.03			75
Shrub Total	95.00	4.75			
POSE	16.00	.80	6.14	12.30	65
KOCR	49.00	2.40	18.43	36.93	100
AGR	22.10	1.10	8.45	16.93	90
DAUN	9.00	.45	3.45	6.91	15
FEID	12.00	.60	4.60	9.23	20
POCA	7.10	.35	2.69	5.39	20
CAR	.10	T	.00	.00	05
STVI	16.00	.80	6.14	12.31	30
Grass Total	131.30	6.50	49.90	100.00	
ERCO	1.00	.05	.38	.76	05
VIVA	.00	.00	.00	.00	--
VIAM	1.30	.06	.46	.92	25
ARFU	1.70	.08	.61	1.22	45
POGR	9.30	.46	3.53	7.05	65
PHHO	17.10	.85	6.52	13.01	60
TAOF	5.60	.28	2.15	4.29	85
CEAR	1.10	.05	.38	.76	15
ANRO	1.60	.08	.61	1.22	15
ACLA	.60	.03	.23	.46	10
ARCO	.10	T	.00	.00	05
ERFU	13.00	.65	4.99	9.96	45
ANOC	.20	.01	.08	.16	10
ARHO	70.10	3.50	26.86	53.61	75
POT	.50	.02	.15	.30	05
MUDI	.00	.00	.00	.00	--
ASMI	8.20	.41	3.15	6.28	85
Forb Total	131.40	6.53	50.10	100.00	
UNDERSTORY TOTAL	262.70	13.03	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

Outside Type 'D'

19 June 1969

ARTR	41.10	2.05			35
ARFR	38.00	1.80			75
GUSA	45.30	2.26			80
Shrub Total	124.40	6.11			
POSE	8.60	.43	3.81	8.58	35
KOCR	37.00	1.85	16.40	36.93	95
DAUN	4.00	.20	1.77	3.99	10
AGRspp	18.70	.93	8.24	18.55	90
FEID	14.60	.73	6.47	14.57	35
POCA	8.00	.40	3.55	7.99	05
CAR	.50	.02	.18	.41	05
STVI	9.00	.45	3.99	8.98	10
Grass Total	100.40	5.01	44.41	100.00	
ERCO	.00	.00	.00	.00	--
VIAM	.00	.00	.00	.00	--
ARFU	1.00	.05	.44	.79	30
POGR	1.60	.08	.71	1.28	40
PHHO	14.00	.70	6.21	11.17	40
TADF	3.30	.16	1.42	2.55	80
CEAR	.80	.04	.35	.63	20
ANRO	14.00	.70	6.21	11.17	25
ACLA	.00	.00	.00	.00	--
ARCO	.00	.00	.00	.00	--
ERPU	.30	.01	.09	.16	15
ANOC	.20	.01	.09	.16	10
ARHO	84.00	4.20	37.23	66.99	95
POT	.40	.02	.18	.32	20
MUDI	.00	.00	.00	.00	--
ASMI	6.00	.30	2.66	4.78	90
Forb Total	125.60	6.27	55.59	100.00	
UNDERSTORY TOTAL	226.00	11.28	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

Outside Type 'E'

19 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. by % Group	Percent Frequency
ARTR	18.10	.90			10
ARFR	8.30	.41			50
Shrub Total	26.40	1.31			
POSE	14.00	.70	6.54	8.41	75
KOCR	45.00	2.25	21.01	27.01	100
AGRspp	5.10	.25	2.33	3.00	35
DAUN	68.50	3.42	31.94	41.06	85
FEID	18.10	.90	8.40	10.80	45
CAR	10.30	.51	4.76	6.12	55
POCA	6.00	.30	2.80	3.60	60
Grass Total	167.00	8.33	77.78	100.00	
VIVA	.50	.02	.19	.85	05
POGR	5.50	.27	2.52	11.34	65
PHHO	2.20	.11	1.03	4.64	25
TAOF	18.60	.93	8.68	39.06	100
CEAR	3.60	.18	1.68	7.56	60
ANRO	5.00	.25	2.33	10.49	25
ACLA	.70	.03	.28	1.26	15
POT	4.20	.21	1.96	8.82	30
ANOC	.80	.04	.37	1.67	20
ARA	.10	T	.00	.00	05
ARN	.10	T	.00	.00	05
ARCO	6.80	.34	3.18	14.31	55
Forb Total	48.10	2.38	22.22	100.00	
UNDERSTORY TOTAL	215.10	10.71	100.00		

GRASS CREEK DIVIDE
EXCLOSURE
Code No. 1512
Hot Springs

Inside Type 'E' 19 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	4.00	.20			10
ARFR	8.60	.45			30
Shrub Total	12.60	.63			
POSE	8.10	.40	2.66	4.41	35
KOCR	48.50	2.42	16.09	26.68	100
AGR	30.60	1.53	10.17	16.86	80
DAUN	66.50	3.32	22.08	36.61	55
FEID	12.00	.60	3.99	6.62	15
POCA	7.60	.38	2.53	4.19	40
CAR	8.50	.42	2.79	4.63	25
Grass Total	181.80	9.07	60.31	100.00	
ARFU	5.60	.23	1.53	3.85	70
POGR	6.40	.32	2.13	5.37	70
PHHO	16.10	.80	5.32	13.40	45
TAOF	5.50	.22	1.46	3.68	80
CEAR	1.80	.90	5.98	15.07	25
ANRO	9.50	.47	3.12	7.86	25
ACLA	1.20	.06	.40	1.01	20
ARCO	7.80	.39	2.59	6.53	55
ERPU	8.60	.43	2.86	7.21	30
ANOC	.10	T	.00	.00	05
ARHO	42.50	2.12	14.10	35.52	65
POT	.70	.03	.20	.50	15
MUDI	.10	T	.00	.00	05
Forb Total	105.90	5.97	39.69	100.00	
UNDERSTORY TOTAL	287.70	15.04	100.00		

In-Nature

HORSE HAVEN
EXCLOSURE
Code No. 0917
Big Horn

5 June 1969

	Cover % Total	Cover % Average	Comb. all % Understory	Comb. % by Group	Percent Frequency
ATNU	498.00	24.90			100
Shrub Total	498.00	24.90			
Grass Total	.00	.00	.00	.00	--
Forb Total	.00	.00	.00	.00	--
UNDERSTORY TOTAL	.00	.00	.00	.00	--

HORSE HAVEN
EXCLOSURE
Code No. 0917
Big Horn Co.

Out Native — 5 June 1969

	Cover % Total	Cover % Average	Comb. all % Understory	Comb. % by Group	Percent Frequency
ATNU	325.00	16.25			90
Shrub Total	325.00	16.25			
Grass Total	.00	.00	.00	.00	--
Forb Total	.00	.00	.00	.00	--
UNDERSTORY TOTAL	.00	.00	.00	.00	

HORSE HAVEN
EXCLOSURE
Code No. 0917
Big Horn

In-Spreader 5 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ATNU	18.00	.90			30
Shrub Total	18.00	.90			
ELJU	2.50	.12	.93	.94	10
HOJU	253.00	12.65	97.61	99.06	100
Grass Total	255.50	12.77	98.54	100.00	
RUM	1.00	.05	.39	26.71	10
LAIN	2.70	.13	1.00	68.49	35
LEDE	.20	.01	.07	4.80	10
Forb Total	3.90	.19	1.46	100.00	
UNDERSTORY TOTAL	259.40	12.96	100.00		

HORSE HAVEN
EXCLOSURE
Code No. 0917
Big Horn

Out-Spreader 5 June 1969

	Cover % Total	Cover % Average	Comb. all % Understory	Comb. % by Group	Percent Frequency
Shrub Total	.00	.00			--
HOJU	211.00	10.55	84.81	97.68	100
ELJU	5.00	.25	2.01	2.32	10
Grass Total	216.00	10.80	86.82	100.00	
CIAR	1.60	.08	.64	4.86	15
LAIN	.60	.03	.24	1.82	10
HEPE	.30	.01	.08	.61	15
RUM	30.40	1.52	12.22	32.71	85
Forb Total	32.90	1.64	13.18	100.00	
Heavily Grazed					
UNDERSTORY TOTAL	248.90	12.44	100.00		

KANE SEED EXCLOSURE
Code No. 0191
Big Horn

Inside — 4 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ATCO	.10	.01			05
ATNU	67.50	3.37			45
ARSP	9.00	.45			10
GUSA	.10	.01			05
Shrub Total	76.70	3.84			
ORHY	.50	.02	1.19	5.13	05
SIHY	2.20	.11	6.55	28.22	15
AGCR	.00	.00	.00	.00	00
BOGR	.00	.00	.00	.00	00
ARFE	.00	.00	.00	.00	00
SPCR	4.60	.23	13.69	58.98	50
SCPA	.50	.03	1.78	7.67	05
Grass Total	7.80	.39	23.21	100.00	
OPPO	16.00	.80	47.62	62.01	10
SPCO	8.80	.44	26.19	34.11	50
GIPU	.00	.00	.00	.00	00
MATA	.80	.04	2.38	3.10	20
UNK	.10	.01	.60	.78	05
Forb Total	25.70	1.29	76.79	100.00	
UNDERSTORY TOTAL	33.50	1.68	100.00		

KANE SEED EXCLOSURE
Code No. 0191
Big Horn

Outside 4 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ATCO	56.50	2.83			30
ATNU	24.00	1.20			15
ARSP	58.60	2.93			40
GUSA	2.10	.10			10
EULA	.00	.00			00
Shurb Total	141.20	7.06			
ARFE	3.60	.18	5.08	8.57	15
ORHY	12.00	.60	16.95	28.57	05
SIHY	1.50	.07	1.98	3.34	15
SPCR	24.90	1.25	35.31	59.52	75
Grass Total	42.00	2.10	59.32	100.00	
OPPO	15.00	.75	21.19	52.08	30
SPCO	11.60	.57	16.10	39.58	90
ARHO	.00	.00	.00	.00	00
MATA	1.40	.07	1.98	4.87	30
MAGR	.10	.01	.28	.69	05
LEDE	.10	.01	.28	.69	05
HAGL	.50	.02	.57	1.40	05
LARE	.10	.01	.28	.69	05
Forb Total	28.80	1.44	40.68	100.00	
UNDERSTORY TOTAL	69.90	3.54	100.00		

LOWER ENOS CREEK EXCLOSURE
Code No. 1513
Hot Springs

Outside

18 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. by % Group	Percent Frequency
ARTR	.00	.00			--
ARFR	.70	.03			15
GUSA	.50	.02			05
Shrub Total	1.20	.05			
STCO	.00	.00	.00	.00	--
STCO #2	28.50	1.42	19.23	19.85	55
AGSM	31.60	1.58	21.41	22.10	95
AGSP	12.00	.60	8.13	8.39	25
POSE	34.00	1.70	23.04	23.78	85
KOCR	34.00	1.70	23.04	23.78	85
CAEL	3.10	.15	2.03	2.10	25
CAL	.00	.00	.00	.00	--
POA	.00	.00	.00	.00	--
Grass Total	143.20	7.15	96.88	100.00	
VIVA	1.90	.09	1.22	39.11	55
ANRO	.00	.00	.00	.00	--
SPCO	.00	.00	.00	.00	--
PHHO	.50	.02	.27	8.65	05
AIR	.00	.00	.00	.00	--
LARE	.10	T	.00	.00	05
TRDU	.00	.00	.00	.00	--
ACLA	1.50	.07	.95	30.45	10
TAOF	.20	.01	.14	4.49	10
VIAM	.50	.02	.27	8.65	05
AST	.50	.02	.27	8.65	05
Forb Total	5.20	.23	3.12	100.00	
UNDERSTORY TOTAL	148.40	7.38	100.00		

LOWER ENOS CREEK EXCLOSURE
Code No. 1513
Hot Springs

Inside — 18 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. by % Group	Percent Frequency
ARTR	.00	.00			--
ARFR	2.60	.13			15
GUSA	.10	T			05
Shrub Total	2.70	.13			
STCO	1.00	.05	.70	.77	05
STCO #2	10.10	.50	6.98	7.64	35
AGSM	30.50	1.52	21.22	23.23	100
AGSP	2.00	.10	1.40	1.53	10
POSE	24.10	1.20	16.76	18.35	80
KOCR	59.00	2.95	41.20	45.11	85
CAEL	4.10	.20	2.79	3.06	35
CAL	.00	.00	.00	.00	--
POA	.50	.02	.28	.31	05
Grass Total	131.30	6.54	91.33	100.00	
ANRO	9.50	.42	5.87	67.71	20
TAOF	.80	.04	.56	6.46	20
SPCO	2.10	.10	1.40	16.15	20
PHHO	.00	.00	.00	.00	--
AIR	.60	.03	.42	4.84	30
LARE	.10	T	.00	.00	05
TRDU	.00	.00	.00	.00	--
VIVA	.70	.03	.42	4.84	35
Forb Total	13.80	.62	8.67	100.00	
UNDERSTORY TOTAL	145.10	7.16	100.00		

MUD SPRINGS EXCLOSURE
Code No. 0103
Natrona Co.

Outside Furrowed

21 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	194.50	9.72			75
ARTR #2	5.00	.25			05
Shrub Total	199.50	9.97			
AGSM	54.50	2.77	24.60	28.49	100
POSE	123.00	6.15	54.63	63.28	95
POFE	10.00	.50	4.44	5.14	15
SIHY	.00	.00	.00	.00	--
KOCR	6.00	.30	2.66	3.09	20
Grass Total	193.50	9.72	86.33	100.00	
PHHO	19.50	.97	8.61	62.98	50
ARCO	.10	T	.00	.00	05
ASMI #2	4.70	.23	2.04	14.92	30
DEPI	.00	.00	.00	.00	--
DOCO	.60	.03	.27	1.98	10
TRI	1.60	.08	.71	5.19	40
CAS	.10	T	.00	.00	05
POL	.00	.00	.00	.00	--
ARHO	.00	.00	.00	.00	--
ERPU	1.40	.07	.62	4.54	30
MUDI	.20	.01	.09	.66	10
AGGL	2.70	.13	1.15	8.41	35
ALTE	.20	.01	.09	.66	10
ARHO #2	.20	.01	.09	.66	10
Forb Total	31.30	1.54	13.67	100.00	
UNDERSTORY TOTAL	224.80	11.26	100.00		

MUD SPRING EXCLOSURE
Code No. 0103
Natrona Co.

Inside Furrowed — 21 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	267.00	13.31			75
CHVI	20.00	1.00			05
ARTR #2	86.00	4.30			15
Shrub Total	373.00	18.61			
AGSM	45.00	2.25	27.63	31.37	95
POSE	65.50	3.22	39.55	44.91	95
POFE	30.00	1.50	18.43	20.93	15
KOCR	4.00	.20	2.46	2.79	25
SIHY	.00	.00	.00	.00	--
Grass Total	144.50	7.17	88.07	100.00	
PHHO	14.50	.72	8.85	74.18	50
ASMI #2	.70	.03	.37	3.10	15
ARHO	.00	.00	.00	.00	--
LEAL	.00	.00	.00	.00	--
TRI	1.80	.09	1.11	9.30	50
ARHO #2	.10	T	.00	.00	05
ERPU	2.00	.10	1.23	10.32	40
CAS	.10	T	.00	.00	05
ARCO	.10	T	.00	.00	05
MUDI	.10	T	.00	.00	05
AGGL	.10	T	.00	.00	05
ARFU	.60	.03	.37	3.10	10
BEWY	.10	T	.00	.00	05
LARE	.10	T	.00	.00	05
Forb Total	20.30	.97	11.93	100.00	
UNDERSTORY TOTAL	164.80	8.14	100.00		

MUD SPRINGS EXCLOSURE
Code No. 0103
Natrona

Non-Furrowed

21 June 1969

	Cover % Total	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARTR	251.60	12.58			75
CHVI	.00	.00			--
Shrub Total	251.60	12.58			
AGSM	39.10	1.95	22.03	28.63	100
POSE	44.50	2.22	25.08	32.60	95
POFE	34.50	1.72	19.43	25.25	55
KOCR	16.50	.82	9.28	12.05	30
SIHY	2.00	.10	1.13	1.47	15
BRTE	.10	T	.00	.00	05
Grass Total	136.70	6.81	76.95	100.00	
PHHO	20.20	1.10	12.43	53.92	65
ERPU	5.30	.26	2.94	12.75	45
ARHO #2	.10	T	.00	.00	05
TRI	1.90	.09	1.02	4.43	30
ANRO	10.90	.54	6.10	26.46	45
MUDI	.20	.01	.11	.48	10
CAS	.60	.03	.34	1.48	10
AGGL	.20	.01	.11	.48	10
Forb Total	39.40	2.04	23.05	100.00	
UNDERSTORY TOTAL	176.10	8.85	100.00		

MUD SPRINGS EXCLOSURE
Code No. 0103
Natrona

Outside Non-Furrowed 21 June 1969

	Cover % Total	Cover % Average	Comp. all %f Understory	Comp. % by Group	Percent Frequency
ARTR	264.20	13.21			75
CHVI	6.10	.30			10
Shrub Total	270.30	13.51			
AGSM	26.00	1.30	9.41	18.13	95
POSE	40.00	2.00	14.47	27.89	100
POFE	39.00	1.95	14.12	27.21	65
KOCR	38.70	1.92	13.89	26.77	95
SIHY	.00	.00	.00	.00	--
Grass Total	143.70	7.17	51.89	100.00	
PHHO	31.00	1.55	11.22	23.32	85
ANRO	80.50	4.02	29.09	60.46	95
ERI	2.90	.14	1.01	2.10	40
BEWY	1.00	.05	.36	.75	10
ASMI	6.60	.33	2.39	4.97	35
CORA	1.20	.06	.43	.89	20
TRI	2.00	.10	.72	1.50	35
CAS	2.20	.11	.80	1.65	20
ARHO #2	.00	.00	.00	.00	--
ALTE	.20	.01	.07	.15	10
DOD	1.00	.05	.36	.75	05
AGGL	3.50	.17	1.23	2.56	50
CRE	1.00	.05	.36	.75	05
MUDI	.20	.01	.07	.15	10
Forb Total	133.30	6.65	48.11	100.00	
UNDERSTORY TOTAL	277.00	13.82	100.00		

OWL DRAW EXCLOSURE
24 June 1969
Code No. 0104 Natrona

Tran. #1
ARNO Type
East Exclosure
INSIDE DEER

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARNO	15.25			85
ARTR	.10			05
PUTR	5.25			15
JUOS	.25			05
GUSA	.10			05
ARTR #2	.05			05
Shrub Total	21.00			
AGSM	.23	4.15	6.89	20
AGSP	1.32	23.83	39.52	75
POSE	.40	7.22	11.97	60
KOCR	.57	10.29	17.06	50
STCO	.02	.36	.60	05
CAFI	.50	9.03	14.97	10
ORHY	.00	.00	.00	--
Grass Total	3.34	60.30	100.00	
ARHO	.53	9.57	24.10	40
UNK #1	.02	.36	.91	05
DEGE	.05	.90	2.27	10
DEPI	.00	.00	.00	--
COPA	.02	.36	.91	05
MAGR	.05	.90	2.27	10
UMB	.07	1.26	3.17	25
UNK #2	.05	.90	2.27	05
CAMI	T	.00	.00	05
ASMI #2	.15	2.71	6.83	05
TRI	.00	.00	.00	--
CANU	.00	.00	.00	--
AGGL	.01	.18	.45	10
VER	.00	.00	.00	--
ASPU	.02	.36	.91	05
AST	.10	1.81	4.56	05
MAVI	.05	.90	2.27	05
ANDI	.00	.00	.00	--
CAFL	.05	.90	2.27	05
MER	T	.00	.00	05
ARHO #2	.00	.00	.00	--
PHHO	1.00	18.05	45.45	50
CRE	.03	.54	1.36	15
Forb Total	2.20	39.70	100.00	
UNDERSTORY TOTAL	5.54.	100.00		

Tran. #2
ARNO Type
East Exclosure
OUTSIDE DEER

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	.25			20
ARTR #2	T			05
ARNO	13.00			75
JUOS	.40			05
PUTR	.00			05
GUSA	.01			10
Shrub Total	13.66			
AGSM	.41	8.04	13.06	65
KOCR	.46	9.02	14.65	60
STCO	.05	.98	1.59	10
POSE	.56	10.98	17.83	55
POFE	.01	.20	.32	05
AGSP	.75	14.71	23.89	45
CAFI	.90	17.65	28.66	05
Grass Total	3.14	61.58	100.00	
PHHO	.70	13.72	35.71	30
UMB	.01	.20	.52	10
HAAC	.40	7.84	20.41	05
CRE	.07	1.37	3.57	30
CANU	.00	.00	.00	--
ASPU	.05	.98	2.55	05
ASMI	.13	2.55	6.63	20
PEN	.10	1.96	5.10	20
ARHO #2	.02	.39	1.02	05
TRI	.02	.39	1.02	05
DEPI	.01	.20	.52	10
ANDI	.00	.00	.00	--
SEN	.00	.00	.00	--
ZYG	.00	.00	.00	--
PHAU	.00	.00	.00	--
PHMU	.00	.00	.00	--
ERPU	.03	.59	1.53	10
ARHO	.30	5.88	15.30	25
CAS	.00	.00	.00	--
DEGE	.08	1.57	4.08	15
CAMI	.04	.78	2.03	20
MAGR	T	.00	.00	05
Forb Total	1.96	38.42	100.00	
UNDERSTORY TOTAL	5.10	100.00		

OWL DRAW EXCLOSURE
24 June 1969
Code No. 0104 Natrona

Tran. #3
JUOS-ARNO
INSIDE DEER Exclosure

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARNO	9.72			60
JUOS	9.75			15
ARTR #2	.02			10
Shrub Total	19.49			
FEID	.02	.26	.39	05
KOCR	1.06	13.67	20.70	70
AGSP	1.72	22.19	33.59	75
POSE	.97	12.52	18.95	60
POFE	1.35	17.41	26.37	40
Grass Total	5.12	66.02	100.00	
ERPU	.05	.65	1.91	10
ASMI #2	.02	.26	.77	05
DEGE	.00	.00	.00	--
PEN	.02	.26	.77	05
ARHO	.42	5.42	15.95	15
AST	.00	.00	.00	--
VER	.00	.00	.00	--
CRE	.07	.90	2.65	15
UMB	.04	.52	1.53	20
CAMI	.01	.13	.38	10
TRI	.03	.39	1.15	30
PHAU	.10	1.29	3.80	05
PHHO	1.02	13.16	38.73	40
CHAL	.00	.00	.00	--
CANU	.00	.00	.00	--
HAAC	.04	.52	1.53	10
CRFL	.00	.00	.00	--
ANDI	.02	.26	.77	05
ARHO #2	.03	.39	1.15	10
SEST	.05	.65	1.91	10
PHMU	.65	8.39	24.69	10
CAFL	.02	.26	.77	05
LELU	.00	.00	.00	--
LIN	.02	.26	.77	05
MER	.02	.26	.77	05
ANAN	T	.00	.00	05
ARA	T	.00	.00	05
AST	.00	.00	.00	--
Forb Total	2.63	33.98	100.00	
UNDERSTORY TOTAL	7.75	100.00		

Tran. #4
JUOS-ARNO
OUTSIDE DEER Exclosure

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARNO	8.13			50
PUTR	.30			05
Shrub Total	8.43			
AGSM	.05	1.24	2.81	05
AGSP	.96	23.75	53.91	80
KOCR	.22	5.45	12.37	20
POSE	.25	6.19	14.05	20
POFE	.30	7.43	16.86	15
Grass Total	1.78	44.06	100.00	
ARHO	.05	1.24	2.22	10
PHHO	.82	20.29	36.27	30
HAAC	.00	.00	.00	--
CRE	.01	.25	.45	15
CANU	.00	.00	.00	--
ASMI	.19	4.70	8.40	40
PEN	.00	.00	.00	--
ARHO #2	.05	1.24	2.22	05
UMB	.01	.25	.45	15
TRI	.03	.74	1.32	10
AGGL	.03	.74	1.32	15
CAS	.03	.74	1.32	10
PHMU	.85	21.03	37.60	25
ERPU	.05	1.24	2.22	10
SEN	.02	.50	.89	05
PHAU	.10	2.48	4.43	10
SEST	.02	.50	.89	05
Forb Total	2.26	55.94	100.00	
UNDERSTORY TOTAL	4.04	100.00		

OWL DRAW EXCLOSURE
24 June 1969
Code No. 0104 Natrona

Tran. #5
North Exp. ARTR
INSIDE DEER Exclosure

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARNO	.00			--
ARTR	3.50			30
GUSA	.00			--
EULA	.00			--
Shrub Total	3.50			
POFE	1.42	20.14	31.07	55
AGSM	1.90	26.95	41.58	90
AGSP	.00	.00	.00	--
POSE	1.25	17.73	27.36	90
STCO	.00	.00	.00	--
KOCR	.00	.00	.00	--
SIHY	.00	.00	.00	--
Grass Total	4.57	64.82	100.00	
ASPU	.05	.71	2.02	05
LERE	.02	.28	.80	20
CANO	.00	.00	.00	--
UMB	.01	.14	.40	15
OPPO	.00	.00	.00	--
LARE	.00	.00	.00	--
VER	.03	.43	1.22	15
ARHO	.05	.71	2.02	10
PHHO	1.32	18.73	53.24	55
CRE	.31	4.40	12.51	45
PHAU	.01	.14	.40	10
SPCO	.07	.99	2.81	10
ANDI	.48	6.81	19.36	25
TRI	.08	1.13	3.20	25
AGGL	.03	.43	1.22	10
DEPI	.00	.00	.00	--
ERPU	T	.00	.00	05
SEST	.00	.00	.00	--
MAVI	.00	.00	.00	--
PEN	.01	.14	.40	10
CAMI	.00	.00	.00	--
ARA	.01	.14	.40	10
BEWY	.00	.00	.00	--
Forb Total	2.48	35.18	100.00	
UNDERSTORY TOTAL	7.05	100.00		

Tran. #6
ARNO North Exp.
INSIDE Deer Exclosure

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARNO	7.00			75
ARTR	.00			--
GUSA	.00			--
CHVI	.10			05
Shrub Total	7.10			
POFE	.70	9.97	19.44	40
POSE	.26	3.70	7.22	35
AGSM	T	.00	.00	05
STCO	.05	.71	1.39	05
AGSP	2.42	34.48	67.23	95
KOCR	.17	2.42	4.72	15
Grass Total	3.60	51.28	100.00	
CANU	.00	.00	.00	--
PEN	.00	.00	.00	--
PHHO	.58	8.26	16.95	40
ARHO	2.02	28.78	59.07	80
SEST	.05	.71	1.46	05
LELU	.00	.00	.00	--
CAMI	.00	.00	.00	--
ERPU	.21	2.99	6.14	40
ASSP	.46	6.55	13.44	25
UMB	.07	1.00	2.05	25
CRE	.01	.14	.29	15
CAS	.00	.00	.00	--
ASMI	T	.00	.00	--
AST	.02	.29	.60	05
TRI	T	.00	.00	05
AGGL	T	.00	.00	05
VER	T	.00	.00	05
LYDR	T	.00	.00	05
SEN	T	.00	.00	05
Forb Total	3.42	48.72	100.00	
UNDERSTORY TOTAL	7.02	100.00		

OWL DRAW EXCLOSURE
24 June 1969
Code No. 0104

Tran. #7
ARNO-JUOS
North Exposure
OUTSIDE Stock Exclosure

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	.12			10
ARNO	5.68			80
GUSA	.25			10
CHVI	.25			10
Shrub Total	6.30			
AGSM	.14	2.01	4.75	35
AGSP	1.05	15.06	35.59	65
POSE	.75	10.47	24.74	75
POFE	.25	3.59	8.48	10
KOCR	.78	11.19	26.44	75
Grass Total	2.95	42.32	100.00	
PHHO	1.13	16.21	28.10	55
CAMI	.00	.00	.00	--
HAAC	.20	2.87	4.98	10
DEPI	.00	.00	.00	--
PEN	.08	1.15	1.99	20
LILE	.05	.72	1.25	15
UMB	T	.00	.00	05
ERPU	.44	6.31	10.94	55
TRI	.02	.29	.50	05
ARHO	.34	4.88	8.46	45
LELU	.00	.00	.00	--
ASMI	.45	6.46	11.20	55
SEST	.06	.86	1.49	15
CAS	.01	.14	.24	15
ASSP	.00	.00	.00	--
PHMU	1.05	15.06	26.11	20
CRE	.03	.43	.75	30
HYAC	.03	.43	.75	15
AGGL	.13	1.87	3.24	30
VER	T	.00	.00	05
ARA	T	.00	.00	05
Forb Total	4.02	57.68	100.00	
UNDERSTORY TOTAL	6.97	100.00		

Natrona
Tran. #8
ARNO
North Exposure
INSIDE Stock Exclosure

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	1.25			05
ARTR #2	T			05
ARNO	12.18			90
CHVI	.58			25
GUSA	.10			10
Shrub Total	14.11			
AGSM	.68	9.50	14.80	55
AGSP	1.78	24.90	38.79	65
KOCR	.08	1.12	1.74	15
POSE	1.58	22.10	34.43	85
POFE	.47	6.57	10.24	30
Grass Total	4.59	64.19	100.00	
MAGR	.02	.28	.78	05
ASMI	.09	1.26	3.52	30
LILE	.11	1.54	4.30	25
ASSP	.00	.00	.00	--
ARHO	.27	3.78	10.56	15
ARHO #2	.01	.14	.39	20
SEST	.00	.00	.00	--
PHHO	1.98	27.69	77.33	55
ERPO	.03	.42	1.17	10
CRE	.01	.14	.39	10
ASFU	.00	.00	.00	--
UMB	T	.00	.00	05
CAMI	T	.00	.00	05
DEPI	.00	.00	.00	--
TRI	.02	.28	.78	05
CAS	.02	.28	.78	25
SEST	T	.00	.00	05
GIFU	T	.00	.00	05
Forb Total	2.56	35.81	100.00	
UNDERSTORY TOTAL	7.15	100.00		

OWL DRAW EXCLOSURE
24 June 1969
Code No. 0104 Natrona

Tran. #9
ARTR NW Exposure
INSIDE Stock Exclosure

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	15.18			90
Shrub Total	15.18			
POA	.05	.67	.34	05
KOCR	.00	.00	.00	--
AGSM	1.62	21.60	27.14	95
POFE	1.85	24.66	30.98	55
POSE	1.20	16.00	20.10	95
FEID	1.25	16.67	20.94	45
Grass Total	5.97	79.60	100.00	
CANU	.02	.27	1.32	05
AST	.02	.27	1.32	05
VER	.07	.93	4.56	55
CAMI	.02	.27	1.32	25
TRI	.09	1.20	5.88	50
AGGL	.19	2.53	12.41	55
BASA	.00	.00	.00	--
ASDR	.00	.00	.00	--
PHHO	.33	4.40	21.57	50
CRE	.08	1.07	5.25	15
ASMI	.02	.27	1.32	05
ARN	.00	.00	.00	--
BEWY	.00	.00	.00	--
LERE	.00	.00	.00	--
UMB	.00	.00	.00	--
DEPI	.00	.00	.00	--
AST #2	.59	7.86	38.53	70
ARA	.10	1.33	6.52	10
Forb Total	1.53	20.40	100.00	
UNDERSTORY TOTAL	7.50	100.00		

Tran. #10
ARTR NW Exposure
OUTSIDE Stock Exclosure

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	5.56			85
Shrub Total	5.56			
AGSP	.00	.00	.00	--
AGSM	1.32	12.57	21.40	100
POSE	2.75	26.19	44.58	95
POFE	1.72	16.37	27.86	75
FEID	.32	3.05	5.19	15
KOCR	.06	.57	.97	15
Grass Total	6.17	58.75	100.00	
ARHO	.01	.10	.24	15
ARFU	.05	.48	1.16	10
PHHO	3.22	30.66	74.34	80
CAMI	.02	.19	.46	25
TRI	.22	2.10	5.09	55
VER	.03	.29	.70	10
AGGL	.14	1.33	3.23	35
AST	.41	3.90	9.46	55
AST #2	.00	.00	.00	--
CANO	.00	.00	.00	--
UMB	.00	.00	.00	--
MAVI	.00	.00	.00	--
BEWY	.00	.00	.00	--
ERPU	.07	.67	1.62	30
CRE	.06	.57	1.38	20
OPPO	.05	.48	1.16	05
MAVI	.05	.48	1.16	05
Forb Total	4.33	41.25	100.00	
UNDERSTORY TOTAL	10.50	100.00		

POISON SPIDER EXCLOSURE
16 June 1969
Code No. 0105 Natrona

OUTSIDE

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	9.20			45
CHVI	.05			5
EULA	.05			5
Shrub Total	9.30			
AGSM	1.20	18.15	33.90	100
POSE	1.21	18.31	34.18	80
CAEL	.16	2.42	4.52	35
STCO	.45	6.81	12.71	30
KOCR	.52	7.87	14.69	50
Grass Total	3.54	53.56	100.00	
OPPO	1.80	27.23	58.63	20
PHHO	1.00	15.13	32.58	55
SPCO	.18	2.72	5.86	20
ARA	.06	.91	1.96	15
ALTE	.01	.15	.32	5
TRI	.02	.30	.65	5
ANDI	.00	.00	.00	--
MAVI	.00	.00	.00	--
Forb Total	3.07	46.44	100.00	
UNDERSTORY TOTAL	6.61	100.00		

INSIDE

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	7.26			50
EULA	.57			30
Shrub Total	7.83			
BRTE	.00	.00	.00	--
AGSM	1.60	31.31	38.74	100
POSE	1.93	37.77	46.73	95
KOCR	.60	11.74	14.53	30
STCO	.00	.00	.00	--
Grass Total	4.13	80.82	100.00	
PHHO	.35	6.84	35.67	30
OPPO	.32	6.26	32.64	10
SPCO	.07	1.37	7.14	10
ERPU	.08	1.57	8.19	20
ASPU	.02	.39	2.03	5
DEPI	.01	.20	1.04	5
ALTE	.01	.20	1.04	5
PEN	.00	.00	.00	--
TRI	.00	.00	.00	--
ANDI	.11	2.15	11.21	15
FEOC	.00	.00	.00	--
PLSP	.01	.20	1.04	5
Forb Total	.98	19.18	100.00	
UNDERSTORY TOTAL	5.11	100.00		

RANKIN BASIN EXCLOSURE
14 June 1969
Code No. 1507 Hot Springs

INSIDE

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	12.11			35
EULA	.10			5
Shrub Total	12.21			
AGSM	.63	4.66	8.18	75
POSE	.75	5.54	9.72	55
BOGR	5.10	37.70	66.15	55
STCO	.82	6.06	10.63	35
ORHY	.01	.07	.13	10
SIHY	.40	2.96	5.19	15
Grass Total	7.71	56.99	100.00	
OPPO	5.80	42.87	99.66	15
SPCO	.01	.07	.17	05
LEDE	.01	.07	.17	10
Forb Total	5.82	43.01	100.00	
UNDERSTORY TOTAL	13.53	100.00		

OUTSIDE

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	6.80			30
EULA	.05			05
Shrub Total	6.85			
STCO	.05	.40	.62	05
AGSM	.93	7.37	11.42	90
BOGR	5.68	45.04	69.78	70
POSE	1.33	10.55	16.34	65
ORHY	.15	1.19	1.84	15
Grass Total	8.14	64.55	100.00	
SPCO	.02	.16	.45	15
OPPO	4.45	35.29	99.55	30
Forb Total	4.47	35.45	100.00	
UNDERSTORY TOTAL	12.61	100.00		

UPPER ENOS CREEK EXCLOSURE
18 June 1969
Code No. 1508 Natrona

INSIDE SPRAY

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	.00			--
JUSC	100.00			05
Shrub Total	100.00			
AGR	1.13	16.21	25.05	85
POSE	.45	6.46	9.98	30
KOCR	.95	13.63	21.06	65
STCO #2	.10	1.43	2.21	05
CAR	.14	2.01	3.11	45
CAEL	.05	.72	1.11	05
CAL	.77	11.05	17.08	40
FEID	.05	.72	1.11	05
POCA	.87	12.48	19.29	50
Grass Total	4.51	64.71	100.00	
VIVA	.23	3.30	9.35	70
ARFU	.79	11.33	32.11	65
ACLA	.43	6.17	17.48	90
TADF	.42	6.03	17.08	75
CEAR	.03	.43	1.22	10
ANRO	.17	2.44	6.91	40
ANOC	.14	2.01	5.70	30
TRMI	.00	.00	.00	--
POGR	.00	.00	.00	--
AIR	.08	1.15	3.26	50
COPA	.01	.14	.40	10
LIPA	.03	.43	1.22	15
IRMI	.12	1.72	4.87	10
UNK like ANRO	.01	.14	.40	15
Forb Total	2.46	35.29	100.00	
UNDERSTORY TOTAL	6.97	100.00		

OUTSIDE SPRAY

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARFR	3.85			25
JUSC	6.10			10
Shrub Total	9.95			
AGR	1.56	16.96	24.69	100
POSE	.42	4.56	6.64	20
POCA	2.13	23.15	33.70	75
KOCR	1.50	16.30	23.73	65
STCO #2	.00	.00	.00	--
CAR	.11	1.20	1.75	15
CAEL	.00	.00	.00	--
CAL	.45	4.89	7.12	25
FEID	.00	.00	.00	--
POA	.15	1.63	2.37	10
Grass Total	6.32	68.69	100.00	
VIVA	.17	1.85	5.91	50
ARFU	1.05	11.41	36.44	40
ACLA	.39	4.24	13.54	55
TADF	.47	5.11	16.32	70
CEAR	T	.00	.00	05
ANRO	.46	5.00	15.97	25
ANOC	.06	.65	2.08	45
TRMI	.00	.00	.00	--
POGR	.00	.00	.00	--
AIR	.18	1.96	6.26	55
COPA	.00	.00	.00	--
LIPA	.00	.00	.00	--
IRMI	.00	.00	.00	--
UNK like ANRO	T	.00	.00	05
PHHO	.10	1.09	3.48	05
Forb Total	2.88	31.31	100.00	
UNDERSTORY TOTAL	9.20	100.00		

UPPER GRASS CREEK EXCLOSURE
18 June 1969
Code No. 1509 Hot Springs

OUTSIDE SPRAY

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	1.45			25
ARFR	.12			20
Shrub Total	1.63			
HEKI	.40	3.16	4.58	35
POFE	3.35	26.45	37.94	65
STCO	.20	1.58	2.27	10
CAR	.21	1.66	2.38	40
FEID	.12	.95	1.36	15
KOCR	1.68	13.27	19.03	85
POSE	.50	3.95	5.67	35
POCA	.52	4.10	5.88	25
AGR	1.23	9.71	13.93	80
AGEX	.47	3.71	5.32	35
CAL	.15	1.18	1.69	30
Grass Total	8.83	69.72	100.00	
AGGL	.13	1.03	3.40	25
ANOC	.07	.55	1.82	55
ANRO	.72	5.68	18.76	45
MER	.05	.39	1.29	10
ACLA	.05	.39	1.29	10
LUP	1.32	10.42	34.41	35
POGR	.05	.39	1.29	15
OXSE	.05	.39	1.29	05
TAOF	.21	1.66	5.48	70
ARA	.01	.08	.26	15
ALTE	.01	.08	.26	10
PHHO	.46	3.63	11.99	30
CEAR	.05	.39	1.29	05
VIVA	.01	.08	.26	10
ASMI	.20	1.58	5.21	10
ASMI #2	.15	1.18	3.90	20
OXY	.15	1.18	3.90	20
AST	.15	1.18	3.90	05
ARHO #2	T	.00	.00	05
Forb Total	3.84	30.28	100.00	
UNDERSTORY TOTAL	12.67	100.00		

INSIDE SPRAY

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	.30			10
ARFR	.76			30
PIFL	2.00			05
Total Shrub	3.06			
POFE	.85	8.86	14.22	50
STCO	.17	1.77	2.84	10
CAR	.46	4.79	7.69	65
FEID	.20	2.08	3.34	15
KOCR	.63	6.56	10.55	60
POSE	.67	6.98	11.20	50
POCA	.05	.52	.83	10
AGR	1.23	12.82	20.58	45
CAL	.60	6.25	10.04	45
AGEX	.40	4.17	6.69	25
STCO #2	.00	.00	.00	--
HERI	.72	7.50	12.04	60
Total Grass	5.98	62.30	100.00	
AGGL	.30	3.12	8.28	25
ANOC	.06	.62	1.64	40
MER	.05	.52	1.38	05
LUP	.97	10.11	26.81	40
POGR	.06	.62	1.64	20
TAOF	.23	2.40	6.37	70
ARA	T	.00	.00	05
ALTE	T	.00	.00	05
VIAM	.06	.62	1.64	25
ANRO	1.50	15.63	41.46	40
PHHO	.26	2.71	7.19	20
ASMI	.02	.21	.56	05
VIVA	.07	.73	1.94	30
OXY	.03	.31	.82	10
AST	.01	.10	.27	10
UNK #1	T	.00	.00	05
COPA	T	.00	.00	05
DEX	T	.00	.00	05
Forb Total	3.62	37.70	100.00	
UNDERSTORY TOTAL	9.60	100.00		

UPPER LEFT HAND CREEK
EXCLOSURE
Code No. 1510 Hot Springs

6 June 1969
INSIDE

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	13.05			65
ARFR	1.00			35
GUSA	.02			05
Shrub Total	14.07			
CAL	.18	1.41	2.84	40
FEID	1.17	9.13	18.36	35
POSE	1.55	12.10	24.33	85
AGSM	.33	2.58	5.19	55
STCO	1.47	11.47	23.07	60
KOCR	1.50	11.70	23.54	90
CAEL	.12	.94	1.89	25
AGSP	.05	.39	.78	10
Grass Total	6.37	49.72	100.00	
TRDU	.00	.00	.00	--
ANRO	3.12	24.36	48.45	45
TAOF	.16	1.25	2.49	40
OXY	.05	.39	.78	10
CEAR	1.30	10.15	20.19	55
LUP	.30	2.34	4.65	45
PHHO	.32	2.50	4.97	20
ARA	.01	.08	.16	10
STTE	.05	.39	.78	10
VIAM	.00	.00	.00	--
ARN	.38	2.97	5.90	20
ERPU	.35	2.73	5.43	35
ALTE	T	.00	.00	05
CHVI #2	.15	1.17	2.33	05
ASMI #2	.05	.39	.78	10
HYAC	.10	.78	1.55	05
PEN	.08	.62	1.23	15
ZYG	.00	.00	.00	--
LYDR	.02	.16	.31	05
Forb Total	6.44	50.28	100.00	
UNDERSTORY TOTAL	12.81	100.00		

25 July 1969
OUTSIDE

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	15.40			60
ARFR	.42			30
GUSA	.00			--
Shrub Total	15.82			
FEOC	T	.00	.00	05
FEID	.17	1.49	2.80	15
AGSM	.25	2.19	4.12	75
AGSP	.07	.62	1.17	10
POSE	2.27	19.85	37.33	90
KOCR	1.50	13.11	24.66	95
STCO	1.22	10.66	20.05	65
CAL	.28	2.45	4.61	55
CAEL	.32	2.80	5.26	75
Grass Total	6.08	53.17	100.00	
HYAC	.00	.00	.00	--
ALTE	.03	.26	.57	10
LUP	.24	2.10	4.48	45
ANRO	2.87	25.09	53.57	60
TAOF	.14	1.22	2.61	60
CEAR	1.22	10.66	22.76	45
PHHO	.30	2.62	5.60	30
ERPU	.43	3.76	8.03	45
ASMI #2	.02	.17	.36	05
LEDE	.00	.00	.00	--
STTE	T	.00	.00	05
UMB	T	.00	.00	05
ANOC	.00	.00	.00	--
VIVA	.01	.09	.19	10
ASPU	.02	.17	.36	05
ARA	.04	.35	.75	25
CANU	T	.00	.00	05
CHVI #2	.02	.17	.36	05
PLPA	.00	.00	.00	--
AST	.02	.17	.36	05
Forb Total	5.36	46.83	100.00	
UNDERSTORY TOTAL	11.44	100.00		

SOUTH BUTTE EXCLOSURE
7 June 1969
Code No. 2015 Washakie

INSIDE SPRAY

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	16.75			60
Shrub Total	16.75			
AGSM	1.15	15.15	15.17	90
AGSP	.10	1.32	1.32	10
POSE	6.20	81.69	81.80	100
KOCR	T	.00	.00	05
BRTE	.01	.13	.13	10
FEOC	T	.00	.00	05
SIHY	.12	1.58	1.58	15
Grass Total	7.58	99.87	100.00	
OECO	.00	.00	.00	--
SIAL	.00	.00	.00	--
CRE	T	.00	.00	05
LERE	T	.00	.00	05
PLSP	.01	.13	100.00	15
GIPU	T	.00	.00	05
DODE	T	.00	.00	05
Forb Total	.01	.13	100.00	
UNDERSTORY TOTAL	7.59	100.00		

OUTSIDE SPRAY

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	4.75			40
GUSA	.20			05
Shrub Total	4.95			
AGSM	.85	10.32	13.24	90
AGSP	.77	9.36	12.00	50
POSE	4.58	55.64	71.33	100
FEOC	.10	1.22	1.56	05
SIHY	.02	.24	.31	05
KOCR	.10	1.22	1.56	05
BRTE	T	.00	.00	05
Grass Total	6.42	78.00	100.00	
PLSP	.03	.36	1.64	30
PHHO	.05	.61	2.77	05
ERPU	.30	3.65	16.59	35
GIPU	.01	.12	.55	10
CRE	.02	.24	1.09	05
CAAN	.10	1.22	5.54	10
OPPO	1.30	15.80	71.82	10
Forb Total	1.81	22.00	100.00	
UNDERSTORY TOTAL	8.23	100.00		

STINKING CREEK EXCLOSURE
15 June 1969
Code No. 0106 Natrona
INSIDE NATIVE

	Cover % Average	Comp. all % Understory	Comp. % by Group	Percent Frequency
ARSP	.00			--
ARTR	11.75			70
ATNU	1.00			05
Shrub Total	12.75			
AGSM	.22	3.60	6.92	55
AGCR	1.19	19.48	37.42	70
BRTE	.05	.82	1.58	10
POSE	1.36	22.26	42.77	70
STCO	.00	.00	.00	--
ORHY	.32	5.24	10.06	15
SIHY	.04	.65	1.25	20
Grass Total	3.18	52.05	100.00	
ATAR	.00	.00	.00	--
LES	.00	.00	.00	--
ARHO	.00	.00	.00	--
LARE	.01	.16	.33	10
DEPI	T	.00	.00	05
OPPO	.25	4.09	8.53	15
SAKA	.00	.00	.00	--
MAGL	.08	1.31	2.73	15
PHHO	2.59	42.39	88.41	85
Forb Total	2.93	47.95	100.00	
UNDERSTORY TOTAL	6.11	100.00		

STINKING CREEK EXCLOSURE
15 June 1969
Code No. 0106 Natrona

OUTSIDE NON-SPRAY

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARSP	.00			--
ARTR	1.55			10
ATNU	2.70			40
Shrub Total	4.25			
AGSM	.46	4.84	18.93	75
AGCR	.37	3.89	15.21	55
BRTE	.00	.00	.00	--
POSE	1.60	16.84	65.86	70
STCO	.00	.00	.00	--
Grass Total	2.43	25.57	100.00	
LES	.00	.00	.00	--
LARE	.00	.00	.00	--
ARHO	.00	.00	.00	--
DEPI	.00	.00	.00	--
OPPO	1.25	13.16	17.68	05
SAKA	T	.00	.00	05
PHHO	4.01	42.22	56.72	90
MAGL	1.81	19.05	25.60	80
Forb Total	7.07	74.43	100.00	
UNDERSTORY TOTAL	9.50	100.00		

INSIDE SPRAY

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	.00			--
ATNU	.00			--
Shrub Total	.00			
SIHY	.60	7.65	7.81	30
AGSM	.03	.38	.39	10
AGCR	4.89	62.38	63.68	90
BRTE	.07	.89	.91	55
POSE	2.09	26.66	27.21	85
STCO	.00	.00	.00	--
ORHY	.00	.00	.00	--
Grass Total	7.68	97.96	100.00	
ATAR	.00	.00	.00	--
LES	.00	.00	.00	--
ARHO	.00	.00	.00	--
LARE	.01	.13	6.37	10
DEPI	.00	.00	.00	--
OPPO	.00	.00	.00	--
SAKA	.00	.00	.00	--
ARSP	.00	.00	.00	--
MAGL	.00	.00	.00	--
PHHO	.15	1.91	93.63	05
Forb Total	.16	2.04	100.00	
UNDERSTORY TOTAL	7.84	100.00		

WORLAND CATTLE CO. EXCLOSURE
11 June 1969
Code No. 2016 Washakie

OUTSIDE

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	2.90			05
Shrub Total	2.90			
BRTE	1.11	15.21	21.81	100
BOGR	3.35	45.89	65.81	55
FEOC	.53	7.26	10.41	80
POSE	.10	1.37	1.97	05
Grass Total	5.09	69.73	100.00	
LEDE	.08	1.10	3.63	65
PLSP	.26	3.56	11.76	85
LARE	.20	2.74	9.05	60
CHAL	.05	.68	2.25	05
SAKA	.02	.27	.89	05
OPPO	1.60	21.92	72.42	15
Forb Total	2.21	30.27	100.00	
UNDERSTORY TOTAL	7.30	100.00		

INSIDE

	Cover % Average	Comp. all % Understory	Comp. % by Group	% Freq.
ARTR	5.50			10
Shrub Total	5.50			
FEOC	.26	2.93	3.85	45
BRTE	1.82	20.53	26.98	100
BOGR	4.12	46.44	61.02	75
POSE	.55	6.20	8.15	25
SIHY	.00	.00	.00	--
Grass Total	6.75	76.10	100.00	
PLSP	.15	1.69	7.07	75
LEDE	.02	.23	.96	20
LATE	.07	.79	3.31	50
SPCO	T	.00	.00	05
CHAL	.01	.11	.46	15
OPPO	1.87	21.08	88.20	45
Forb Total	2.12	23.90	100.00	
UNDERSTORY TOTAL	8.87	100.00		